



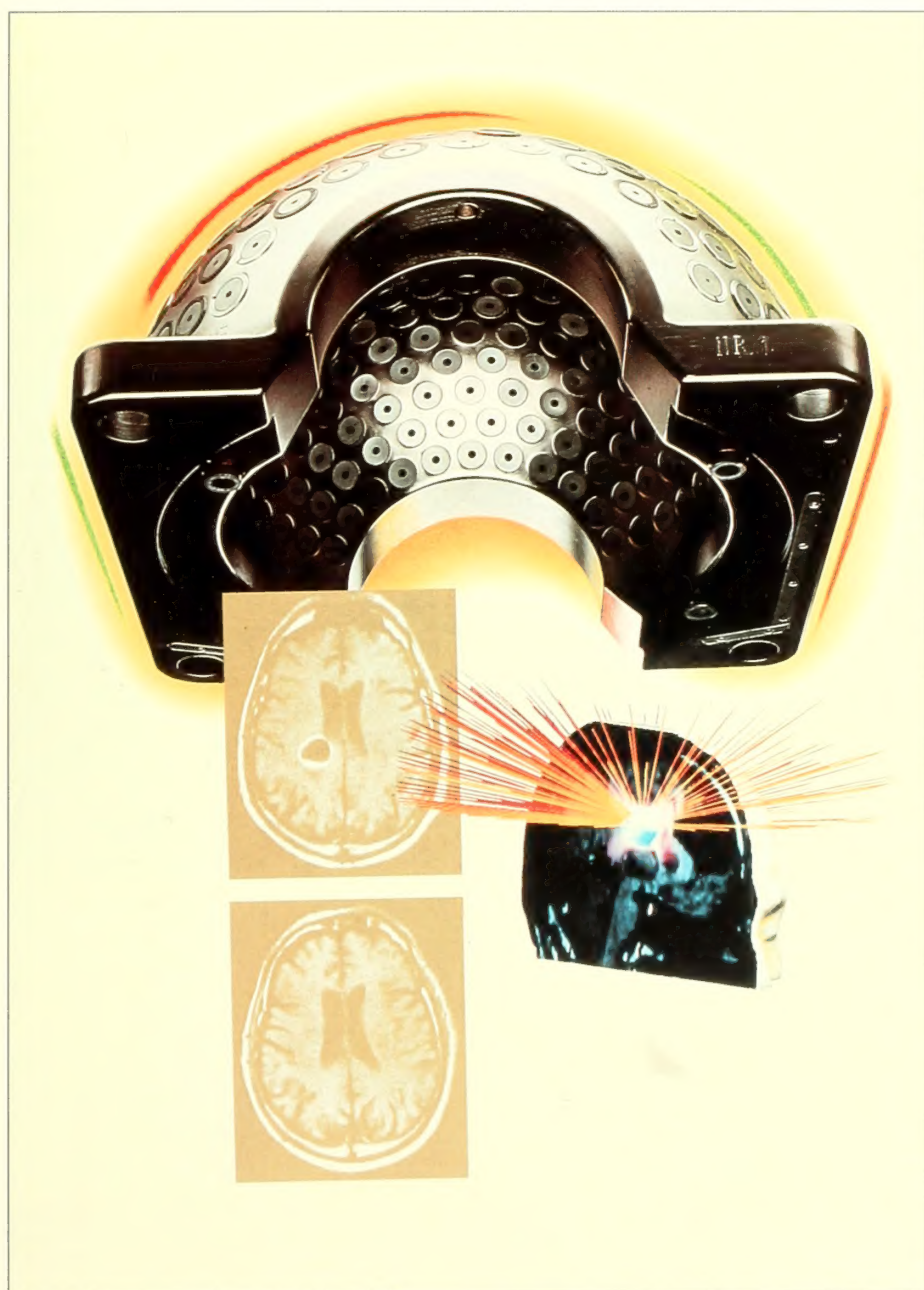
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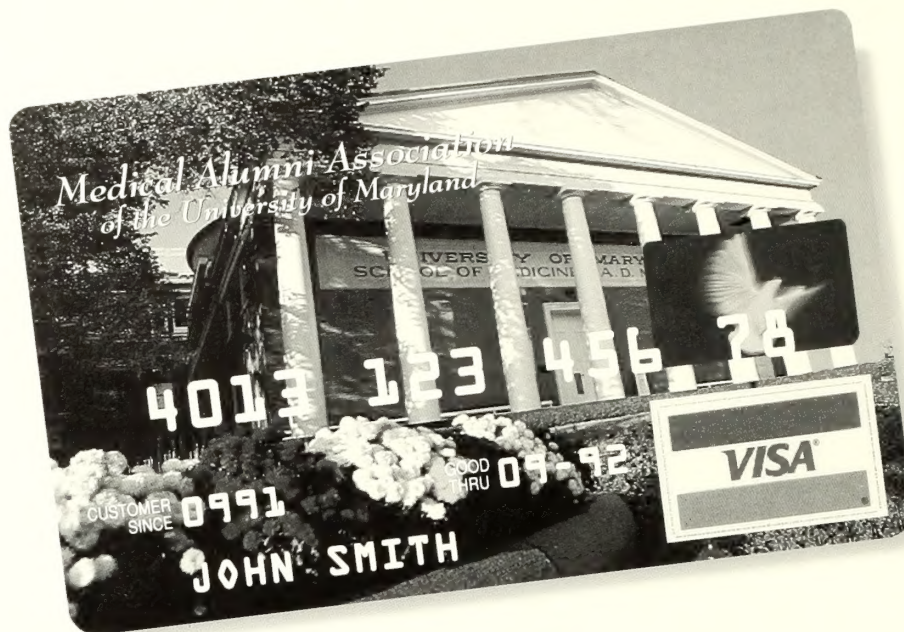


The Bulletin

MEDICAL ALUMNI ASSOCIATION ■ SCHOOL AND HOSPITAL ■ SUMMER 1992, VOLUME 77, NO. 1



Bloodless
Surgery:
*Medical Center's
New Gamma
Knife Offers
Lower Risk
Options for
Neurosurgery
page 12*



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THE BULLETIN

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March 18 brought good news—83% of the Class of '92 received one of their top three choices of residency programs.

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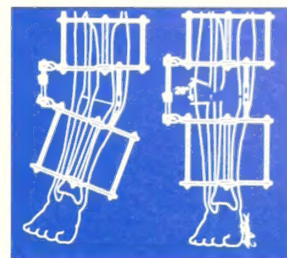
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The collective views of the editors and editorial committee of the publication are expressed only in designated editorials. Opinions expressed elsewhere or in bylined articles, columns, letters and cartoons are those of the writers and artists and do not necessarily represent the opinions of the Medical Alumni Association, University of Maryland School of Medicine, and the University of Maryland Medical System. The acceptance of advertising by this publication does not in any way constitute endorsement or approval by the Medical Alumni Association, University of Maryland School of Medicine or the University of Maryland Medical System. Any part of this publication may be reproduced with proper acknowledgement of the source.



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MESSAGE FROM THE DEAN



Donald E. Wilson, M.D., Dean

I have several items to report on in this issue.

In March, our senior students received the results of National Intern Residency Match Program. It was a successful match and 83% of our students received one of their top three choices. As you know, there have been major shifts in career choices over the past seven years as can be observed by comparing some of the choices made in 1986 and 1987 to those made in the most recent two years (see table, next page). While there continues to be a general lack of interest in categorical internal medicine internships, family practice has enjoyed an increase in interest. Emergency medicine has become more attractive to our students and neurology has remained constant at 3%.

On April 1-2, 1992, the School of Medicine held a Total Quality Management/Total Quality Service (TQS) retreat attended by the department chairs and directors, associate

and assistant deans, and other leaders. This retreat was designed to introduce members of the management team to the concept of TQS. Our goal was to better understand who we are, who our customers are and how to modify our management styles to serve all of our customers. Triangle Associates, leaders in this field, helped to coordinate this retreat. This retreat was an invaluable step in preparing for our six-month long strategic planning process which also began in April.

The strategic planning committee, which is chaired by Drs. Jane Matjasko (Chair, Anesthesiology) and Jan Cherny (Chair, Microbiology) includes some chairs and faculty from the basic and clinical sciences, students, deans, hospital management and members from our campus and local communities. This strategic planning process, discussed in the previous issue of *The Bulletin*, will allow us to better define our goals and objectives for the next five to 10 years,

determine what can and cannot be accomplished, given our current and projected resources, and allow us to develop an effective operational plan for the School of Medicine.

On April 3-4, 1992, we welcomed 30 minority students to our annual minority recruitment week-end. In addition to meeting with current medical students, staff, faculty and me, these prospective physicians toured our campus and Baltimore, learned about the history of the School of Medicine, discussed some of the challenges and opportunities facing physicians in the future, and were treated to a display of our current computer-assisted learning programs in our computer center. Last year, the Association of American Medical Colleges (AAMC) announced "Project 3000 by 2000." This initiative is designed to increase the number of under-represented minority matriculants to medical school to 3,000 a year

by the 21st century. I sit as a member of the AAMC steering committee for this project. Our medical school hopes to play a lead role in the realization of this initiative.

The fundraising campaign of the University of Maryland Medical Center (School of Medicine and University of Maryland Medical System) is announced in this issue of *The Bulletin* (see page 12). The specific goal of the School of Medicine is to raise \$32 million over the next five years to support the renovation and programmatic needs of the school.

Uppermost in our priorities are investments in:

FACILITIES AND EQUIPMENT

Renovation of student teaching laboratories and research laboratories in Howard Hall, renovation of

lecture halls in the Bressler Research Building, and updated learning resource facilities in the Medical School Teaching Facility.

MEDICAL EDUCATION

Curriculum development, student loans and scholarships, graduate student programs, minority student programs, and biomedical ethics programs.

FACULTY

Funding of endowed chairs and endowed professorships.

ACADEMIC PROGRAMS

Medical informatics, clinical research centers, and new program support in health care and disease prevention.

The momentum continues, but there is much to accomplish in order to maintain our school's position as a leader in education and research. With the support of our alumni, friends and faculty, I am convinced that our remarkable growth will continue.

Donald E. Wilson, M.D.
Dean, School of Medicine

University of Maryland Student Career Choices *(percentage of class)*

	1986-87	1991-92
Internal Medicine	47	22
Surgery	16	16
Pediatrics	8	12
Family Practice	6	11
Obstetrics/Gynecology	5	4
Psychiatry	8	4
Radiology	2	5
Anesthesiology	4	6
Emergency Medicine	1	5

PRESIDENT'S COLUMN



George A. Lentz, Jr., M.D. '57

A few months ago, the Medical Alumni Association board of directors and the editorial board for *The Bulletin* began to discuss with Dean Wilson the need to better focus our communications with the alumni and friends of the School of Medicine. As a result of those discussions, we have re-designed the magazine and I hope you are enjoying the new look.

We have tried to retain the best of the old format while opening the door for fresh and interesting new ideas at the same time. Looking over the articles in this issue, I believe that we have succeeded.

In the future, the publication will focus from time to time on the interdisciplinary research and education programs of the school and hospital—these programs are one of the reasons that the two institutions have joined forces to become the University of Maryland Medical Center. An academic medical center combining a private hospital with a public medical

school provides unique opportunities for research, education, community service and patient care. We will want to illustrate the programs that take advantage of these opportunities.

We will also continue to keep you informed of the enormous physical growth on

Medical Center.

As your president for the past year, I have enjoyed the chance to work with Dean Wilson in the School of Medicine, with President Reese and with all the others who recognize the critical role of the alumni body. I believe that the board of directors of

We are committed to represent alumni, house staff, faculty and others who want to stay in touch. All have a role in the history and future of the Medical Center.

campus—construction projects which will allow for the expansion of clinical, research and teaching facilities and which will help us attract the most talented students and faculty to Maryland.

As an organization, we are committed to represent alumni of the school, but also represent house staff, faculty and others who have developed an abiding interest here and who want to stay in touch. We want the Class notes and articles in *The Bulletin* to reflect the experience of all of these groups, for all have a role in the history and in the future of the

the Association has taken major steps in a number of directions to ensure the ongoing integrity and viability of the organization and I am happy to have played a role. I wish the best of luck to my successor, Thomas E. Hunt, Jr. '54 and encourage each of you who reads this message to become involved in the association. Thank you for your support.

George A. Lentz, Jr., M.D. '57
President, 1991-92
Medical Alumni Association

NEWS



Edwin Stewart '43M, PIE director emeritus; Greg Handlir, associate dean, SOM; Howard Friedman, PIE senior vice president; and Keith Neff of Winterich, Neff & Associates.

Continuing support from PIE Mutual Insurance

On March 17, Greg Handlir, Associate Dean of the School of Medicine for Resource Management, accepted a \$15,000 check from Howard Friedman, senior vice president of PIE Mutual Insurance. PIE, based in Cleveland, Ohio, is a major provider of medical and dental malpractice insurance

in Maryland. Through their generous support, two medical student scholarships have been provided since the initiation of the program in 1990. The company plans to continue scholarship support indefinitely in recognition of the importance of Maryland graduates in medicine in the state ♦

State's first lung transplant performed at UMMC

Surgeons at the University of Maryland Medical Center performed Maryland's first single lung transplant on February 7.

John C. Laschinger, M.D., assistant professor of surgery performed the three-and-a-half hour transplant operation with Joseph S. McLaughlin, M.D. '56, professor of surgery and director of cardiothoracic surgery.

The patient, 51-year-

old Gordon S. West, Jr., from Princess Anne, Md. had suffered from severe emphysema. He was released from the hospital on February 24.

About 225 single lung transplants have been performed at 45 centers worldwide since 1986. The one-year survival rate following lung transplantation is about 90 percent. Currently, eight people are on the waiting list in Maryland for a lung transplant ♦

School of Medicine awarded \$2 million to study dementia

The University of Maryland School of Medicine has been awarded \$2 million from the National Institute on Aging to conduct a study of dementia in Maryland nursing homes. In collaboration with the Johns Hopkins University, the University of Maryland School of Medicine will study admissions to more than 50 nursing homes in Maryland to determine: (1) the number of dementia admissions, (2) the

"Surprisingly little is known about nursing home patients with dementia. Little is known about their health status, likely survival or use of health care," he said.

Pearl German, Sc.D., professor of health policy and management at Johns Hopkins University, is co-principal investigator on the project.

Studies estimate that 40 to 75 percent of the nation's

The goal of the study is to improve the health of nursing home patients with dementia

associated medical problems presented by these patients, (3) the mortality of dementia patients compared to non-demented residents, and (4) the special medical resources needed by dementia patients.

"The goal of the study is to improve the health of nursing home patients with dementia," said Jay Magaziner, Ph.D., M.S.Hyg., associate professor of epidemiology and preventive medicine at the UM School of Medicine and principal investigator of the project.

1.6 million nursing home residents suffer from dementia and as many as 65 percent of new nursing home admissions are demented.

Researchers report that five percent of Americans over 65 years old are in nursing homes and 45 percent can expect to enter a nursing home in their lifetime.

Magaziner said as the number of elderly people in the population increases so will the proportion of nursing home residents with dementia ♦

NEWS

Faculty news

C. William Balke of the department of physiology was honored at a recent gathering of American Heart Association volunteers, for significant contributions he has made to the state of Maryland in cardiovascular education and research and medical and community programs, when he became a recipient of its Presidential Recognition Award❖

John Josselson of the department of medicine has been nominated to serve a 2-year term as an alternate delegate for Med Chi, the Medical and Chirurgical Faculty of Maryland❖

Charlotte Ferencz of the department of epidemiology and preventive medicine was recently honored by the American Heart Association when it bestowed the Helen B. Taussig Award upon her for excellence demonstrated in cardiovascular medicine and advancement in the understanding and treatment of heart disease, most notably among children in the state of Maryland❖



Shock Trauma Center receives new hyperbaric chamber

On March 14, a new, state-of-the-art hyperbaric chamber was delivered to the R Adams Cowley Shock Trauma Center at the University of Maryland Medical Center. The new chamber, one of the largest in the country, replaces an older model at the Shock Trauma Center. It is the only hyperbaric chamber in Maryland available for the treatment of patients.

The 52-foot-long, 130,000-pound chamber will be housed in a new 10,000 square foot building which will include space for pre-

treatment patient assessment and wound care, as well as professional offices, a conference area for patients, and rooms for technical, safety and patient monitoring equipment.

"This new chamber will allow us to provide the highest level of care to a larger number of patients," says Roy A.M. Myers, M.D., director of the Center for Hyperbaric Medicine. "We will now be able to treat as many as 20 patients at a time, whereas we could only treat 12 before," says Myers.

About 400 patients from throughout Maryland and the

world currently receive hyperbaric therapy each year at UMMC for a number of acute and chronic conditions. These include carbon monoxide poisoning, smoke inhalation, burns, gas gangrene,

This new chamber will allow us to provide the highest level of care to a larger number of patients

crush injuries, and decompression sickness and air embolisms caused by scuba diving. Patients with diabetic ulcers and chronic osteomyelitis and those suffering from the chronic side effects of radiation therapy will also benefit from the new chamber.

The new chamber will form the core of the Center for Hyperbaric Medicine, a \$3.8 million project which also includes the new building to house the chamber and installation. The chamber is expected to be ready to treat patients in June❖

News

Medical School co-sponsors recruitment weekend

Minority candidates get a closer look at UMAB

Thirty medical school candidates and 14 nursing school candidates accepted for admission came to UMAB in early April for the annual minority recruitment weekend.

The minority weekend is an effort by the medical school to convince accepted minority students—including African Americans and Hispanic Americans—to attend the medical and nursing schools at UMAB.

"The future of health care in the 21st century is dependent on dramatic increases in the number of minorities in all areas of

science and health care," said Donald E. Wilson, M.D., dean of the School of Medicine. "Having minorities working in science and health care is important for this nation to remain competitive with the rest of the world," he said.

This is the third year for the recruitment weekend in which the attending candidates are given a closer look at the schools' programs and other resources. Milford Foxwell, M.D. '80, associate dean for admissions in the School of Medicine, encouraged the students to ask questions during the weekend. "We are committed to



First-year medical student Christopher Conti helped welcome minority candidates to UMAB.

increasing the number of minority students, and this is our best chance to show what we have to offer."

The minority recruitment program has been instrumental in increasing the number of minority students—mostly African Americans—who decide to attend the medical school.

Since 1988-89, the percentage of African Americans in the entering medical school class has increased by about 9 percent. The percentages of African Americans in the first-year class in medical school were: 9 percent, 1988-89; 15 percent, 1989-90; 13 percent, 1990-91; and 18 percent, 1991-92.

The medical school has seen an increase in the number of minority applicants, climbing from 388 in 1991-92 to 436 this year.

As part of minority weekend, the students met with alumni, faculty and current students. The weekend's participants were also given a tour of the city, the hospital and Shock Trauma.

Dean Wilson assumes top post in minority recruitment project

Donald E. Wilson, M.D., dean of the School of Medicine, has been appointed to a key position in the national effort to increase underrepresented minorities in medicine.

Wilson will be a member of the Association of American Medical Colleges' (AAMC) Executive Implementation Committee for "Project 3000 by 2000."

"It is important to encourage young minority

students to explore the vast opportunities in the field of medicine," said Wilson, the first African American dean of a medical school that is not predominately minority. "These students are more likely to practice medicine in underserved areas where good physicians are needed. They represent a valuable untapped resource for the country."

To reach its goal of

3,000 new minority students entering medical schools by the year 2000, the project directors will help the schools develop partnerships with colleges and high schools for the purpose of increasing the number of underrepresented students who are both interested in and academically prepared to pursue careers in medicine.

About 1,578 new minority students enter

medical school each year, according to AAMC figures. Timothy Ready, Ph.D., the AAMC project director, said medical schools are doing a number of things to increase minority enrollment and "Project 3000 by 2000" will encourage an expansion of those efforts.

UMMC TO OFFER GAMMA KNIFE AS NEW SURGICAL ALTERNATIVE

Starting this spring, the University of Maryland Medical Center (UMMC) joins a select group of medical centers across the U.S. to offer a lower risk and cost-effective alternative to conventional neurosurgery. Frequently referred to as "bloodless surgery," stereotactic radiosurgery using the Leksell gamma knife represents a major advance in treatment

the targeted area, while sparing the surrounding tissue. In most cases, patients can return home within two days, compared to one or two weeks with surgery.

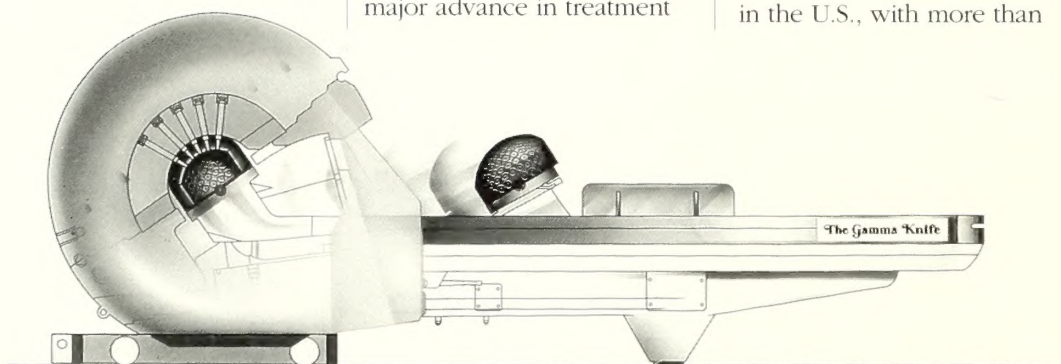
Today, medical centers in Sweden, South America, Japan, and England use the gamma knife. Eleven gamma knives, including the one at UMMC, have been installed in the U.S., with more than

to treat all types of neurological conditions and the full range of sophisticated diagnostic imaging equipment.

Adult and pediatric patients who have inoperable benign or malignant brain tumors, AVMs or residual tumors after previous therapies are currently being evaluated as candidates for treatment. The UMMC's Gamma Knife Center is unique in its interdisciplinary approach to care. An initial evaluation is made by a team of neurosurgeons. This is followed by a case review and decision-making conference involving specialists from radiation oncology and the important associated disciplines of neuro-oncology, neurology, neuroradiology and neuropathology.

How It Works

Using diagnostic imaging tools that include magnetic resonance imaging (MRI), computed tomography (CT), angiography, and magnetic resonance angiography (MRA), the gamma knife team pinpoints the exact location of the lesion and customizes



Cross-section of the Leksell Gamma Knife

options for patients with brain tumors that are deep seated or difficult to reach.

The technology, first developed in Sweden in 1968 and approved by the U.S. Food and Drug Administration in 1982, relies on an instrument that focuses narrow radiation beams from 201 cobalt-60 sources to a precisely mapped target in the patient's brain. The gamma radiation dose destroys only

half of them at academic medical centers.

UMMC's Gamma Knife Team

Located in a dedicated unit at UMMC, the gamma knife will draw on the combined expertise of the medical center's neurosurgery, radiation oncology, neuroradiology, and neurology departments. UMMC's neurocare resources include clinical programs and services

story by Cathy Tokarski

because the gamma knife's beams can be so precisely focused, the planned

radiation dose destroys only the targeted area, not the surrounding healthy tissue

a radiation dose plan to target only the desired site.

To receive treatment, patients recline on a customized couch positioned under a hemisphere that contains the 201 cobalt-60 beams. The beams converge on the single site where the radiation dose will be delivered. Dosages are tailored to meet the patient's needs, depending on the size and location of the tumor, and to minimize the effect on surrounding brain structures.

The procedure typically lasts between 30 and 45 minutes, and does not require general anesthesia. Patients

remain in the hospital for at least one day so their progress can be monitored by the treatment team.

Patients return to the medical center on a periodic basis for follow-up visits. All patients referred to UMMC will retain their referring physician as their primary caregiver.

Advantages Over Existing Technology

UMMC physicians cite several advantages to the gamma knife over existing treatments for neurological disorders.

The primary advantage is its safety, according to



Patients recline under a hemisphere containing 201 cobalt-60 sources, beamed to a precisely mapped target in the brain.

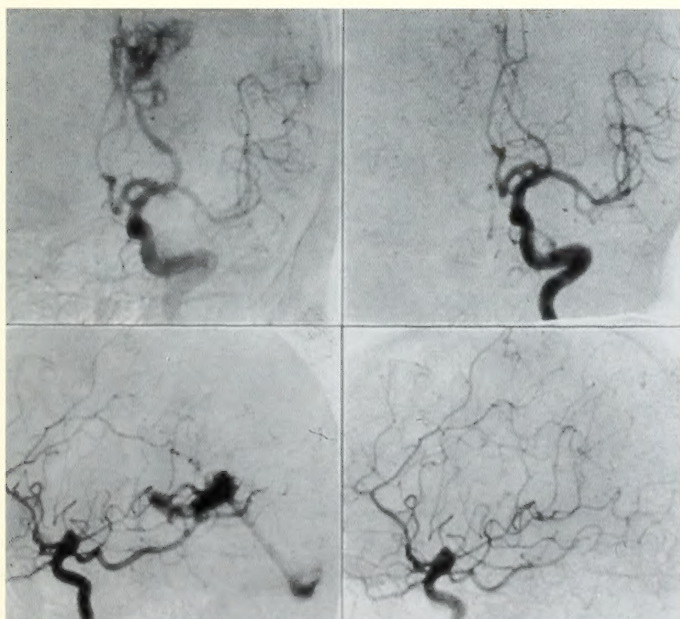
Walker Robinson, M.D. '70, associate professor and head of UMMC's division of neurological surgery. Patients are spared the risks involved in brain surgery, especially when tumors are difficult to reach. And because the gamma knife's beams can be so precisely focused, the planned radiation dose destroys only the targeted area, not the surrounding healthy tissue. "The precision of the gamma knife is unmatched," says Dr. Robinson.

And patients—including children—whose tumors or AVMs made them unable to withstand surgery could have a life-saving tool at their disposal. "It allows us to be able to have one more treatment when everything else has failed," says Omar Salazar,

M.D., who heads the department of radiation oncology.

Beyond the gamma knife's conventional use, physicians envision other therapeutic applications. Kenneth Johnson, M.D., chairman of the department of neurology, says one promising area of research involves using the gamma knife to destroy brain tissues that trigger epileptic seizures and the uncontrollable shaking seen in Parkinson's disease.

Further studies are needed before the gamma knife's use is expanded in this direction, Dr. Johnson says. But until recently, "there was virtually nothing we could offer these patients."



Using diagnostic imaging tools, the gamma knife team can pinpoint the exact location of a tumor and target the radiation dose to the desired site only.

STANDING TALL

*University of Maryland professors
open limb reconstruction clinic*

When Atlanta Falcon offensive linesman John Scully needed corrective surgery for his right leg, he came to University of Maryland Medical Center. His troubles started when he fractured his right tibia and it healed in a manner that left it slightly bowed and foreshortened. He was the first human to use an automated limb-lengthening device. The specialized procedure added almost one inch in length and straightened his leg.

Maria Yusty wanted to stand with both feet on the ground. Her left leg was shattered by Colombian-rebel machine gun bullets when she was eight years old during a visit with her grandparents. She had to wear a monstrously thick orthopedic shoe because her left leg was six inches shorter than her right. Doctors in New York suggested she seek treatment at University of Maryland Medical Center. Now 17 years old, Maria can plant both feet firmly on the ground.

Gillian Mueller, a teenager from New York came to University Medical Center for treatment of short stature. She is the first person in North America to have the three major bones in her legs and arms (femur, tibia, and humerus) lengthened. When treatments began in 1988, Gillian stood 3 feet 11 and a half inches tall. Today she is 5 feet tall.

NOT ALL THE STORIES ARE THAT DRAMATIC, but more than 1,000 patients with limb length differences have University of Maryland Medical Center associate professors of orthopedic surgery Dror Paley, MD and John Herzenberg, MD to thank. As co-directors of the university's new Maryland Center for Limb Lengthening and Reconstruction, they offer their patients the most comprehensive and technologically advanced treatment in limb lengthening and reconstruction. Together, these doctors are this country's most experienced physicians using the Ilizarov bone lengthening method.

The Maryland Center for Limb Lengthening and Reconstruction is located at the James Lawrence Kernan Hospital in

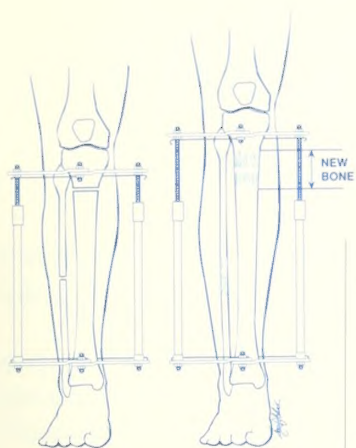
Woodlawn, and is the only center its kind in Maryland and one of the few of its kind in the country dedicated strictly to the bone lengthening process. In addition to its clinical work, the center's research staff works continuously to develop a better understanding of current techniques while producing improvements and new methods of limb lengthening. Kernan is an affiliate of University Medical Center, allowing patients full access to the vast resources at University Hospital.

The Ilizarov Method is the primary procedure being used for the bone lengthening process. The method is named for Siberian orthopedic surgeon Gavril Abramovitch Ilizarov who, in 1951, developed a circular external fixator for the treatment of fractures. Over the ensuing years, Prof. Ilizarov developed numerous surgical techniques using this apparatus, including methods to lengthen limbs and reconstruct deformed or injured bones.

Dr. Paley became interested in the Ilizarov method in 1983 and was the first North American orthopedic surgeon to visit Prof. Ilizarov in Siberia and the first orthopedic surgeon to introduce the Ilizarov method in

story by Linda Schiffer

illustrations by Stacy Lund



Bone segments can be lengthened from 15-100 percent of their original size.

North America in 1986. He has been using the technique since that time, further developing the method and its applications.

Dr. Herzenberg also studied with Prof. Ilizarov. He brought the technique to the University of Michigan where he also began to further develop the method. After several years of collaborative work at their separate hospitals, Drs. Paley and Herzenberg, with recognition and assistance from the University of Maryland Medical Center and The James Lawrence Kernan Hospital, joined together to form the first orthopedic center dedicated to the treatment of limb length discrepancies in adults and children. Together, these doctors are this country's most experienced physicians using the Ilizarov method.

The limb lengthening process can be used for a wide variety of patients, including those with limb length difference, congenital deformities, post-traumatic

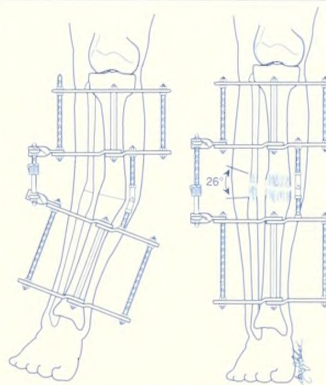
bone deformities, non-healing fractures, bone defects, congenital pseudoarthrosis, acrodysplasia, and bone infections, including osteomyelitis.

Limb lengthening and deformity correction utilizes a process called distraction osteogenesis. This process allows bone segments to be lengthened from 15 to 100 percent of their original size depending upon age, size, and cause of the limb shortening.

The external fixator device is reminiscent of an erector set and can be assembled in an infinite number of configurations. Each device is constructed by the surgeon to meet the needs of individual patients. During surgery, thin wires and larger diameter screw pins are drilled through the skin into the bone. These wires and pins are then connected to the preconstructed device. Finally, the bone is cut using one or two very small incisions, usually no more than a quarter inch in length. The corticotomy is done so as to minimize bone injury and injury to surrounding soft tissues. The surgery may last from two to eight hours, depending upon the complexity of the case.

The actual lengthening or straightening of the limb

begins one week after surgery. At this time, a turnbuckle on the apparatus is turned either manually four times daily, or by a computer controlled motorized attachment which makes pre-programmed adjustments at timed intervals. The center was the first in North America to utilize a computer con-



The Ilizarov method is also used to straighten deformed or injured bones.

trolled lengthening device.

Rehabilitation begins within two days following surgery and involves exercises to stretch the involved muscles and move the joints of the treated limb. Patients with leg frames start standing, putting weight on the limb and walking one or two days after surgery. The apparatus acts as an external scaffold, giving sufficient stability to the bone and allowing the patient to put as much weight on the leg as he or she is comfortable with.

After the limb has achieved the desired length, no further adjustments are made, however the fixator device is left in place to allow the new bone to fully calcify and mature. Once the new bone is judged to be sufficiently strong, the frame is removed either under local or general anesthesia. A hard cast or brace may be applied for further protection for an additional month or two. The new bone tissue assumes all the qualities of the original bone.

The center's dedicated interdisciplinary team includes orthopedic surgeons, a physiatrist, nurses, physician assistants, physical and occupational therapists, social workers, a photographer and administrative staff. According to Dr. Paley, "The center's team is dedicated exclusively to working with patients who have these difficult skeletal problems. We are available 24 hours a day, seven days a week, to make treatment go as smoothly as possible."

Physicians wishing to learn more about the Maryland Center for Limb Lengthening and Reconstruction or who may have a patient to refer should call the center at 800-221-8425.

LAUNCHING THE JOURNEY TO EXCELLENCE

Campaign for Maryland's Medical Center gets under way in May

The University of Maryland School of Medicine and the University of Maryland Medical System have accepted a challenge—to continue to play a central role in the lives of Marylanders while achieving national eminence in research, education and patient care.

In response to the challenge, the School of Medicine and Medical System are collaborating under the University of Maryland Medical Center umbrella to launch the largest fundraising campaign in their histories,

this month. Central to the campaign's goals are the improvement and expansion of facilities as well as the enhancement of programs and services.

As part of its master facilities planning, the School of Medicine will begin construction in summer 1992 on a new, six-story Health Sciences Facility that will provide 296,000 square feet of medical research space. To provide critically needed laboratory space, the school is also constructing an \$8.4 million, 32,000 square foot Biomedical Research Building, north of the hospital, which will feature four stories of basic laboratory and office space, class and conference rooms and an administrative area. In addition, the school will be completing the renovation of Howard Hall, reburishing the Bressler lecture halls, and updating the Medical School Teaching Facility's learning resource center.

The keystone of the Medical System's master facilities plan is the 278,000 square foot, Homer Gudelsky Inpatient Building, which will be funded by a public/private partnership that includes significant state support and a

\$5 million lead gift from the Homer and Martha Gudelsky Family Foundation (announced in the Summer 1991 *Bulletin*), as well as additional contributions raised through the Campaign for Maryland's Medical Center. The new, nine-story clinical tower will house the University of Maryland Cancer Center, as well as facilities for radiation oncology, nuclear medicine, surgical intensive care, and centers for ambulatory surgery, neuroscience, and cardiac care. Simultaneous renovations will be made to the North and South Hospital Buildings.

In the area of program support, the School of Medicine is seeking endowments for internationally distinguished professors and eminent scholars who will become future leaders in addressing the issues of health and health care delivery. Other recommended funding needs include investments in student loans and scholarships, support for minority outreach, funds to develop a relevant and innovative curriculum, research support for graduate student programs, and support for

The campaign is certainly the most ambitious ever undertaken by the School of Medicine and the Medical System.

the "Campaign for Maryland's Medical Center."

Planning for this effort has involved all of the major components of the Medical Center—including the School of Medicine, the Medical System, the Medical Alumni Association, the Shock Trauma Center, and the Cancer Center—with the campaign officially beginning

multidisciplinary research and medical informatics.

The campaign is certainly the most ambitious ever undertaken by the School of Medicine and the Medical System. But it builds on the support and loyalty that has already been demonstrated by alumni and friends. Alumni have shown an

A number of major gifts over the past year have paved the way to confidently launch a fundraising effort of this caliber.

outstanding commitment in annual giving, as demonstrated by their gifts of almost a half million dollars each year to the Annual Fund campaign.

A number of major gifts over the past year have paved the way to confidently launch a fundraising effort of this caliber. As the Campaign for Maryland's Medical Center begins, over \$20 million has already been raised. In addition to the gift from the Homer and Martha Gudelsky Family Foundation, more

than \$7.5 million has been committed by the physician community at the University of Maryland Medical Center, through University Physicians, Inc., Shock Trauma Associates, P.A., the Medical Staff Organization and individual support.

The University of Maryland Medical Center officially kicks off the campaign on May 21 with a public launch ceremony at the University of Maryland at Baltimore and a black-tie dinner of appreciation and celebration at the Camden Club, Oriole Park at Camden Yards. The University of Maryland Medical Center Development Office and the Office for Institutional Advancement of the University of Maryland at Baltimore are coordinating the launch activities. Spearheading this effort are Mr. Richard E. Hug, Development Council chairman, University of Maryland Medical Center; Dr. Donald Wilson, dean, School of Medicine; Dr. Morton Rapoport, chief executive officer of the Medical System; and Dr. Errol Reese, president of the University of Maryland at Baltimore.

THE CAMPAIGN FOR MARYLAND'S MEDICAL CENTER

The Campaign for Maryland's Medical Center captures the spirit of a great academic medical center on the threshold of enormous growth. Alumni, as well as faculty, students, businesses, and Maryland citizens have ample reason to be proud of the University of Maryland Medical Center. It's leadership in education, research, patient care and community advancement is a source of statewide pride:



The School of Medicine has trained more than half the doctors practicing in Maryland—along with thousands of physical therapists and medical technicians.



In 1990-91, the School of Medicine led the nation's public medical colleges in percentage increase in National Institutes of Health grants and contracts.



For serious disease and injury—cancer, neurological problems, pediatric care, heart disease, severe trauma—Marylanders rely on the University of Maryland for state-of-the-art care.



The University of Maryland Medical Center has lent its name to the redevelopment of a portion of downtown Baltimore—"UniversityCenter"—that increasingly views the medical center as crucial to its future.



"We Touch Maryland's Life Every Day" is the slogan adopted by the University of Maryland Medical Center. Now, with the support of all whose lives are in turn touched by the university and who share its vision for the 21st century, the Campaign for Maryland's Medical Center begins.

Match Day 1992

Mid-March once again marked an exciting turning point in the lives of senior medical students everywhere, and Maryland's class fared very well. This year, 64% received their number one choice, and 83% received one of their top three. The class of '92 will disperse among 78 hospitals in 23 states. Almost half of the class will train in the Baltimore/D.C./York area; 33 (20%) will enter residency programs at the University of Maryland. ★ The table on page 3 shows some shifts in career choices over the past several years. The percentage of students going into medicine continues to drop. And we have more surgeons this year than ever before—a total of 28. ★ The following list shows the destinations and specialties of our 167 new physicians. Congratulations to all!



1992 RESIDENCIES

Residency Selected	No. of Graduates
Medicine	59
Surgery	28
Family Practice	18
Pediatrics	19
OB/GYN	5
Psychiatry	4
Transitional	1
Radiology	8
Anesthesiology	7
Pathology	1
Emergency Medicine	8
Ophthalmology	4
Neurology	3
Radiation Oncology	1
Physical Medicine	1

1992 Graduates Continued Training

ALLEGHENY GENERAL
HOSPITAL
Pittsburgh, PA
David Kossoff; Internal
Medicine

BARNES HOSPITAL
St. Louis, MO
Donna Goldman; Internal
Medicine

BAYLOR COLLEGE OF
MEDICINE
Houston, TX
Geoffrey Rosenthal; Pediatrics
Jennifer Schuette; Pediatrics
Donna Beth Willey; Pediatrics

BETHESDA NAVAL
HOSPITAL
Bethesda, MD
Francesca Klein; OB/GYN

BOSTON CITY HOSPITAL
Boston, MA
Elizabeth Halloran; Internal
Medicine

BOWMAN GRAY SCHOOL OF
MEDICINE
Winston-Salem, NC
Jonathan Krome; Orthopedics

BRIDGEPORT HOSPITAL
Bridgeport, CT
Jason Koo; Surgery

CENTRAL TEXAS MEDICAL
CENTER
Austin, TX
Andre Chen; Family Practice

CHILDREN'S HOSPITAL
Philadelphia, PA
Wendell McKay; Pediatrics

CHILDREN'S NATIONAL MED.
Washington, DC
Anita Sethi; Pediatrics

COOPER HOSPITAL/
ROBERT WOOD JOHNSON
Camden, NJ
Huong Pham; Radiation
Oncology

DARTMOUTH - HITCHCOCK
Hanover, NH
Clint Behrend; Internal
Medicine
Robert Pelz; Internal Medicine

DUKE UNIVERSITY MEDICAL
CENTER
Durham, NC
Howard Goldberg; Diagnostic
Radiology
Scott Price; Diagnostic
Radiology

EAST TENNESSEE STATE
UNIVERSITY
Johnson City, TN
Andrew Rhinehart; Internal
Medicine

EMORY UNIVERSITY SCHOOL
OF MEDICINE
Atlanta, GA
Divya Verma; Internal
Medicine

FAIRFAX FAMILY PRACTICE
CENTER
Falls Church, VA
Joyce Owens; Family Practice

FORBES FAMILY PRACTICE
PROGRAM
Monroeville, PA
Daniel Crable; Family Practice

FRANCIS SCOTT KEY
Baltimore, MD
Jean Lighthall; Internal
Medicine-Preliminary

FRANKLIN SQUARE HOSPITAL
Baltimore, MD
Chan-hing Ho; Family
Practice
Theresa Peet; Internal
Medicine
Clark Willis; Family Practice



GEISINGER MEDICAL CENTER
Danville, PA
Todd Kihara; Surgery

GEORGE WASHINGTON
UNIVERSITY
Washington, DC
Eligio Aguhob;
Anesthesiology
Eric Chang; Internal Medicine
Annette Fineberg; Obstetrics/
Gynecology
Edsel Gayoso; Internal
Medicine
Katherine Laessig; Internal
Medicine
Azita Moalemi; Internal
Medicine-Preliminary

GEORGETOWN UNIVERSITY
HOSPITAL
Washington, DC
Nechama Bernhardt;
Neurology
Dan Brody; Internal Medicine
Vicki Hobbs; Anesthesiology

GREATER BALTIMORE
MEDICAL CENTER
Baltimore, MD
Rebecca Heaps; Internal
Medicine- Preliminary
Davis Robbins; Obstetrics/
Gynecology

INDIANA UNIVERSITY
MEDICAL CENTER
Indianapolis, IN
Toan Vu; Internal Medicine

JOHNS HOPKINS
Baltimore, MD
John Carbone; Orthopedics
Sorena Eans; Pediatrics
Anthony Guarino;
Anesthesiology
Jonathan Hamburger;
Anesthesiology
Abha Sinha; Anesthesiology

KAISER PERMANENTE SAN
FRANCISCO
San Francisco, CA
David Enfield; Pathology

LANCASTER GENERAL
HOSPITAL
Lancaster, PA
Dwight Eichelberger; Family
Practice

LONG ISLAND JEWISH
New Hyde Park, NY
Evan Alpert; Internal Medicine

LOUISIANA STATE UNIVER-
SITY MEDICAL CENTER
Shreveport, LA
Damon Brantley; Surgery

MASSACHUSETTS EYE AND EAR
Boston, MA
Kathryn Colby; Orthopedics

MAYO GRADUATE SCHOOL OF
MEDICINE
Rochester, MN
Steven Davison; Otolaryngology

MCGAW MEDICAL CENTER-NW
UNIVERSITY
Maywood, IL
Thomas Lee; Emergency
Medicine

MEDICAL CENTER DELAWARE
Wilmington, DE
David Gentry; Emergency
Medicine

MEDICAL CENTER HOSPITAL,
VERMONT
Burlington, VT
Linus Simonaitis; Internal
Medicine-Preliminary

MEDICAL COLLEGE OF
PENNSYLVANIA
Philadelphia, PA
Kenneth Fogarty; Internal
Medicine

MEDICAL COLLEGE OF
VIRGINIA
Richmond, VA
Melissa Lee; Internal Medicine-
Preliminary
Caroline Sherbourne; Diagnostic
Radiology
Hamid Tabatabai; Internal
Medicine

MERCY MEDICAL CENTER
Baltimore, MD
Kathryn Colby; Internal Medicine
Howard Goldberg; Internal
Medicine-Preliminary
Jerome Lopez; Internal Medicine-
Preliminary
Lawrence Seiden; Internal
Medicine-Preliminary
Abha Sinha; Internal Medicine-
Preliminary

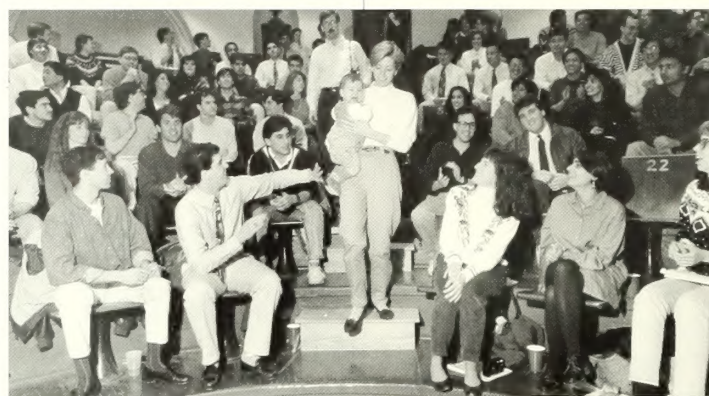
MONTREAL NEUROLOGICAL
INSTITUTE
Montreal, Canada
Raquel Dureza; Neurosurgery

NAVAL HOSPITAL
Charlestown, SC
William Kutzero; Family
Medicine

NAVAL MEDICAL CENTER
Bethesda, MD
Subrato Deb; Surgery

NEW YORK HOSPITAL
New York, NY
Stuart Framm; Internal Medicine

NYU Medical Center
New York, NY
Jacques Conaway; Internal
Medicine



OHIO STATE UNIVERSITY
HOSPITAL
Columbus, OH
Rick Gehlert; Orthopedics

PENNSYLVANIA HOSPITAL
Philadelphia, PA
Syed Ahmad; Surgery

PROVIDENCE HOSPITAL
Washington, DC
Elizabeth Sequeira; Family
Practice

RICHLAND MEMORIAL
HOSPITAL
Columbia, SC
Michele Anvari; Surgery

RIVERSIDE REG. MEDICAL
CENTER
Newport News, VA
Julie Granata; Family Practice

SAN JOSE MEDICAL CENTER
San Jose, CA
Reema Jalali; Family Practice

SHEPPARD PRATT HOSPITAL
Baltimore, MD
John Vaeth; Psychiatry

ST. ELIZABETH HOSPITAL
Youngstown, OH
Rajiv Goyal; Diagnostic
Radiology

ST. JOSEPH MERCY
Pontiac, MI
William Dubiel; Diagnostic
Radiology

ST. MARGARET MEMORIAL
Pittsburgh, PA
Noreen McAllister; Family
Practice

ST. MARY'S HOSPITAL
Rochester, NY
Christopher Berman; Internal
Medicine-Preliminary
Sheryl Berman; Internal
Medicine-Preliminary

ST. MARY'S HOSPITAL
San Francisco, CA
Huong Pham; Internal
Medicine-Preliminary

SINAI HOSPITAL
Baltimore, MD
Christopher Berman; Phys. Med.
Nechama Bernhardt; Internal
Medicine-Preliminary
Anthony Guarino; Internal
Medicine-Preliminary
Jonathan Hamburger; Internal
Medicine- Preliminary
Frederick Scott Pereles; Internal
Medicine-Preliminary

TEXAS A&M SCOTT & WHITE
Temple, TX
Belur Patel; Urology

THOMAS JEFFERSON
UNIVERSITY
Philadelphia, PA
Richard Schmidt; Surgery-
Preliminary Otolaryngology

UNION MEMORIAL HOSPITAL
Baltimore, MD
Raquel Dureza; Surgery-
Preliminary
Sherri Lykes; Internal Medicine

UNIVERSITY HOSPITAL OF
CLEVELAND
Cleveland, OH
Bimal Ashar; Internal Medicine

UNIVERSITY HEALTH CENTER
Pittsburgh, PA
Anthony Aram; Orthopedics

UNIVERSITY HOSPITAL
Boston, MA
Howard Levy; Internal Medicine

UNIVERSITY OF ARIZONA
AFFIL. HOSPITAL
Tucson, AZ
Eric Nicholson; Pediatrics
Frederick Scott Pereles;
Diagnostic Radiology

UNIVERSITY OF CALIFORNIA
Los Angeles, CA
Robert Hom; Pediatrics
Lisa Wolf; Pediatrics

UNIVERSITY OF CALIFORNIA
San Diego, CA
Hugo Barrera; Surgery

UNIVERSITY OF CHICAGO
HOSPITAL
Jeffrey Dubin; Internal Medicine
and Emergency Medicine
Joseph Hsu; Pediatrics
Judith Racoosin; Internal
Medicine

UNIVERSITY OF CINCINNATI
HOSPITAL
Lisa Kolste; Pediatrics

UNIVERSITY OF COLORADO
SCHOOL OF MEDICINE
Denver, CO
Tony Robucci; Psychiatry

UNIVERSITY OF FLORIDA/
SHANDS
Gainesville, FL
Steven Figg; Internal Medicine
Danielle Reid; Pediatrics

UNIVERSITY OF FLORIDA
HEALTH SCIENCES CENTER
Miami, FL
Kendall Marcus; Internal
Medicine-Preliminary

UNIVERSITY OF ILLINOIS
Chicago, IL
Eric Mailman; Emergency
Medicine

UNIVERSITY OF MARYLAND
Baltimore, MD
Allyson Ambrose; Family Practice
John Bridgman; Emergency
Medicine
Catherine Brophy; Family
Practice
Michael Chiamonte; Surgery
Daniel Choi; Surgery and
Anesthesiology
Michael Collins; Internal
Medicine
Ramzi Dagher; Pediatrics

Paul Dyer; Ophthalmology
Tom Ghobrial; Orthopedics
Laura Hartman; Pediatrics
Samia Hasan; Pediatrics
Robert Malamis; Internal
Medicine
Linda Matsas; Pediatrics
Thomas Mattras; Internal
Medicine
Minh Ngo; Internal Medicine
Suzanne Niemela; Internal
Medicine
Hannah Pearce; Internal
Medicine-Preliminary
Virginia Powel; Pediatrics
Morton Rinder; Internal
Medicine
Michael Ritondo; Obstetrics/
Gynecology
Vivienne Rose; Family Practice
Andrew Rosenstein; Internal
Medicine
Mohammad Sarfarazi; Internal
Medicine-Preliminary
Lawrence Seiden; Neurology
Donna Shankle-Hanes; Internal
Medicine
Heidi Teague; Emergency
Medicine
Joel Turner; Surgery
Giridhar Venkatraman; Surgery
Trumer James Wagner;
Emergency Medicine
Verlyn Warrington; Family
Practice
Pamela Wright; Surgery

UNIVERSITY OF NEW MEXICO
Albuquerque, NM
Joseph Manley; Anesthesiology
Deborah Seibel; Internal
Medicine
Frederic Yeganeh; Diagnostic
Radiology

UNIVERSITY OF NORTH
CAROLINA
Chapel Hill, NC
Nancy Roman; Psychiatry

UNIVERSITY OF PUERTO RICO
San Juan, PR
Roberto Oliveras; Surgery



UNIVERSITY OF SOUTHERN
CALIFORNIA
Los Angeles, CA
Felipe Albuquerque; Surgery
and Neurosurgery
Jerome Lopez; Neurology

UNIVERSITY OF SOUTHERN
FLORIDA
Tampa, FL
Monisha Deodhar; Pediatrics
Spiros Hiotis; Surgery

UNIVERSITY OF TEXAS SW
MEDICAL SCHOOL
Dallas, TX
Richard Seidel; Internal
Medicine

UNIVERSITY OF VIRGINIA
Charlottesville, VA
Charles Cole; Family Practice
Rebecca Heaps; Ophthalmology
Lisa Ho; Diagnostic Radiology

VANDERBILT UNIVERSITY
Nashville, TN
Claudia Beck; Pediatrics

WASHINGTON HOSPITAL
CENTER
Washington, DC
Eligio Aguhob; Internal
Medicine-Preliminary
Sheryl Berman; Ophthalmology
Kenneth Lee; Internal Medicine
Claudia Montgomery; Obstetrics/
Gynecology
Sang Na; Surgery
Travis Weddington; Internal
Medicine

WRIGHT-PATTERSON
Wright-Patterson Air Force
Base, OH
Ronald Rakowski; Emergency
Medicine

YALE/NEW HAVEN HOSPITAL
Connecticut
Kendall Marcus; Psychiatry

YORK HOSPITAL
York, PA
Catherine Booth; Family Practice
Paul Dyer; Internal Medicine-
Preliminary
Lisa Ho; Internal Medicine-
Preliminary
Scott Mann; Family Practice
Scott Price; Transitional
Elizabeth Scarito; Internal
Medicine

CLASS NOTES SUMMER 1992

1942

Francis J. Townsend, Jr. of Ocean City, MD writes that during the last two years he has chaired the fundraising committee of the Atlantic General Hospital, Berlin and that during the last eight months he and his wife, Lillian, have become grandparents five times—to twin boys and to triplets (two girls and one boy)—all by in vitro fertilization.

1943 M

Marcus L. Aderholdt, Jr. of High Point, NC retired from the practice of pediatrics in May 1991.

1943 D

Joseph W. Bitsack of Mahwah, NJ writes that he practices daily as a thoracic surgeon but anticipates retirement in the near future. **Jack Morgan** of St. Michael's, MD is retired and enjoying his home on the Bay with wife Caroline. Fairmont General Hospital in West Virginia has named a new ambulatory surgical suite for Dr. Morgan in recognition of his many years of service to the hospital and community.

1951

Mario R. Garcia Palmieri of Puerto Rico was lauded by the Government of Venezuela for his contributions to international cardiology when the prestigious Andres Bello Condecoration was conferred upon him. The Ecuadorian Society of Cardiology (Guayas Area) and the Chilean Society of Cardiology have also paid tribute to him with honorary memberships. During a lecture tour that began in October and ended in December 1991, he spoke in Barcelona, Spain; Mexico; Caracas, Venezuela; Guayaquil, Ecuador; Port of Spain, Trinidad and Pucon, Chile.

1952

Raymond M. Atkins of Lutherville, MD has been nominated to serve a 3-year term as a councilor of the Med Chi, the Medical and Chirurgical Faculty of Maryland. **Timothy D. Baker** of Baltimore has been nominated to serve a 2-year term as an alternate delegate of Med Chi.

1953

Karl H. Weaver of Baltimore has been nominated to serve a 2-year term as a delegate of Med Chi, the Medical and Chirurgical Faculty of Maryland.

1954

Thomas E. Hunt, Jr. of Baltimore is the presidential nominee of Med Chi, the Medical and Chirurgical Faculty of Maryland. **Bernard R. Shochet** of Baltimore has been nominated to serve a 2-year term as a delegate of Med Chi.

1955

Donald H. Dembo of Baltimore is the vice presidential nominee of Med Chi, the Medical and Chirurgical Faculty of Maryland.

1959

Stanley Z. Felsenberg of Baltimore has been extremely active in the Masonic Fraternity for the past 25 years and serves as National Chairman of Americanism for National Sojourners. He was honored

on October 22, 1991 by the Scottish Rite. Dr. Felsenberg was selected to receive the Degree of Inspector General Honorary of the 33rd degree. Ernest Borgnine, Senator Alan K. Simpson of Wyoming, and the Governor of South Carolina were among the other recipients of the honor.

1961

Ronald L. Gutberlet of Cockeysville, MD has been nominated to serve a 2-year term as a delegate of Med Chi, the Medical and Chirurgical Faculty of Maryland. **Gerald A. Hofkin** of Baltimore is an assistant professor of medicine at the Johns Hopkins Medical School and has been named president of the medical staff at Sinai Hospital of Baltimore, where he previously served as the vice president, vice chairman and chairman of the medical executive committee. He is secretary/treasurer of the Maryland Society for Gastrointestinal Endoscopy and a member of the board of directors of the Baltimore City Medical Society and has been nominated to serve a 2-year term on the board of directors of Med Chi.

1962

Donald M. Barrick of Timonium, MD has been nominated to serve a 2-year term as a delegate of Med Chi, the Medical and Chirurgical Faculty of Maryland. **Paul Burgan** of Baltimore has been nominated to serve a 2-year term on the board of directors of Med Chi.

Leonard Figelman of Setauket, NY and Chief of Orthopedics at St. Charles Hospital, Port Jefferson, NY is a veteran of 22 years of volunteer service to its pediatric specialty clinics and the recipient of the Nassau-Suffolk Hospital Council's Annual Public Service Award honoring individuals who have made a significant impact on preserving the health and welfare of the Nassau-Suffolk region, which translates into the honoree's selfless devotion to serving the handicapped and underprivileged.

1966



Richard M. Susel of Catonsville, MD, is chief of ophthalmology at St. Agnes

Hospital in Baltimore and has assumed the presidency of that hospital's medical staff after serving a one-year term

as president elect. An assistant professor of ophthalmology at the University of Maryland School of Medicine, he also instructs and lectures at the Wilmer Institute, Johns Hopkins Hospital. From 1982 until 1987, he served as medical director of Tissue Bank International and is the current chairman of the Therapeutic Education Committee of Med Chi. He is a member of the American Academy of Ophthalmology and the Maryland Society of Eye Physicians and Surgeons and has authored publications regarding corneal preservation and keratoplasty evaluation.

1968

Ronald S. Glick of Yardley, PA has been elected chairman of the department of surgery and chief in the section of orthopedics at the Helene Fuld Medical Center in Trenton, NJ.

1969

Richard E. Fisher of Baltimore has been nominated to serve a 2-year term as an alternate delegate to Med Chi, the Medical and Chirurgical Faculty of Maryland. **Edward F. Quinn III** of Milford, DE became president of the medical staff at Milford Memorial Hospital on January 1, 1992 after having served as

vice president. He has been on the Milford staff since 1975.

William L. Lipman of Newburyport, MA tells us of his recent appointments to lecturer in orthopaedic surgery, Harvard Medical School and clinical associate in orthopedic surgery, Massachusetts General Hospital. He, his wife Karen, and their three children look forward to visiting Baltimore and attending the Medical Alumni Association's reunion festivities in May.

1973

Murray A. Kalish of Baltimore received a certificate of special qualification in critical



care medicine from the American Board of Anesthesiology in October and

has been nominated to serve a 2-year term on the board of directors of Med Chi, the Medical and Chirurgical Faculty of Maryland.

1975

Marsha J. Brown of Glen Arm, MD has been nominated to serve a 2-year term as alternate delegate to Med Chi, the Medical and Chirurgical Faculty of Maryland. **George Taler** of Baltimore has been nominated to serve a 2-year term as a delegate to Med Chi.

1976

Barry E. Levy of Winnetka, IL is practicing neurology in the suburbs of Chicago where he and his wife Barbara live with daughters Sharon and Anne.

1977

Joseph L. Braun of Alvin, TX tells us that two years in a part-time work certification program in occupational medicine at the University of Texas Health Science Center, Houston, earned him a masters in public health. This allowed him to become board- certified in occupational medicine, leading to expansion of the occupational/industrial medicine portion of his practice. His University of Houston law degree and expertise in employee law and workers' compensation allowed him and partner Kerry McCarroll, M.D. to dedicate a segment of their practice to workmen's compensation, in addition to family medicine.

1978

Jay S. Himmelstein of Worcester, MA is currently director of the University of Massachusetts' occupational health program and one of six health professionals chosen nationwide as a Robert Wood Johnson Health Policy Fellow. He will spend 12 months in Washington, DC studying public health policy. Dr. Himmelstein will use this prestigious fellowship to develop national health care strategies and programs that provide affordable, accessible quality health care for all Americans, and the medical aspects of the Americans with Disabilities Act (ADA).

1979

Lawrence A. Tilley of Baltimore has been nominated to serve a 2- year term as an alternate delegate of Med Chi, the Medical and Chirurgical Faculty of Maryland.

1981

Samuel O. Matz of Baltimore was inducted as a fellow of the American Academy of Orthopaedic Surgeons, the largest medical association for musculoskeletal specialists, during the academy's 50th annual meeting in Washington, DC on February 20, 1992.

1983

Beverly A. Collins of Baltimore has been nominated to serve a 1- year term on the board of directors and a 2-year term as a delegate of Med Chi, the Medical and Chirurgical Faculty of Maryland. **Thomas E. Malone, Jr.** of Gaithersburg, MD sent



holiday greetings along with a descriptive photo of how he has spent his

spare time since completion of a residency in anesthesiology at the Hospital of St. Raphael in New Haven, CN.

Melissa Markoplos Munzo of Tampa, Florida loves reading about former classmates' life changes in *The Bulletin* and has a bonanza of her own to share: a discharge from the U. S. Navy, after 2 1/2 years of active duty in Philadelphia, her marriage in October to Christopher Munzo, and a new job with CIGNA Health Plan in Tampa, where she and Chris will reside.

1985



Michael E. Sulewski of Baltimore recently completed a fellowship in corneal and

external diseases and anterior segment surgery, which began in 1989, at The Wilmer Clinic of the Johns Hopkins University Medical Institutions and has joined the faculty of The Scheie Eye Institute, which serves as the department of ophthalmology of the University of Pennsylvania School of Medicine and Presbyterian Medical Center of Philadelphia.

1991

Jennifer Hollywood and husband, Jeffrey Alan Pevey of Greensboro, NC announce the birth of their daughter, Melissa Allison Pevey born on February 27, 1992.

Errata

In the Winter issue, we inadvertently referred to Dale Dedrick, M.D. '80 as "he." With great good humor, Dr. Dedrick informs us that we should have said "she!"

Also in the Winter issue, we included news of Dr. Charles Davidson in 1938. Dr. Davidson was on the house staff in radiology at that time; he is not a graduate.

We regret the errors.

IN MEMORIAM

Merrick Smith '08 (Albuquerque, New Mexico, February 15, 1992) was the oldest living member of the Medical Alumni Association and, according to the U. S. Department of Veterans Affairs, the nation's oldest veteran who, after serving an internship at what is now the University of Maryland Medical Center, practiced his specialty of ear, nose, throat and eye privately in the Reisterstown area before going to work for the U. S. Public Health Service in Mount Pleasant, Michigan. Before entering the Army in 1918, and serving as a physician in Panama during World War I, he spent three years working for the Panama Canal Company. Dr. Smith, a native of northern Baltimore County, continued practicing medicine in communities around the country, including Baltimore, until 1935 when he moved to Albuquerque where he worked for the Indian Health Service in New Mexico until his retirement in 1955. Among the survivors is his son, five grandchildren and five great-grandchildren.

Sydney Shapin '22 (New York, January 24, 1992) completed his internship and post graduate work in otolaryngology at the University of Pennsylvania. Dr. Shapin practiced in Brooklyn, NY until four years ago. He is survived by three daughters.

William Belinkin '30 (Los Angeles, October 7, 1991) Dr. Belinkin retired after spending 10 years with Kaiser Permanente in Los Angeles. Prior to this he practiced general medicine for 35 years in New York City. His family writes that he was a "wonderful husband and father" and a "healer of both body and the mind."

C. Truman Thompson '30 (Morgantown, West Virginia, April 20, 1991).

Robert Bruce Taylor '31 (Ellicott City, Maryland) completed his internship and residency at the Union Memorial Hospital, Baltimore and practiced in Baltimore and Ellicott City, specializing in allergies. In addition to his private practice, he acted as medical director of the House of Correction in Jessup, MD, served on the Physician's Review Board and Standards Committee of the Social Security Administration, Woodlawn and was Balti-

more County's Medical Examiner. Survivors include two sons, two grandchildren and two stepsons.

Alex. B. Goldman '33 (Lake Worth, Florida, February 5, 1992) After interning at Trinity Hospital, Brooklyn, NY, Dr. Goldman practiced general medicine in that community for 50 years before retiring in 1978 because of ill health. He spent the next 14 years happily living in Florida. He is survived by his wife, son and daughter.

Joseph H. Hyman '33 (Pompano Beach, Florida, January 5, 1992)

Saul Lieb '35 (Los Angeles, August 30, 1991) practiced internal medicine privately in New Jersey with a concentration in the area of worker's compensation and a focus on chest diseases. He was licensed to practice both in New Jersey and California, when he retired to Los Angeles in 1976. He was a fellow of the American College of Chest Physicians and active in various medical groups, both as an officer and a member. Among the survivors is his son.

George Peter Schmieler '36

(McMurray, Pennsylvania, January 12, 1992) trained at the South Side Hospital, Pittsburgh, before starting a practice in internal medicine that would span 50 years. When Dr. Schmieler returned to his alma mater for his 50 year reunion, he was asked to relate important events that occurred to him while attending medical school. He reminisced about the birth of his son, George C. Schmieler, M.D. '62, whom he took to a window overlooking the medical school and expressed hopes that someday the child "... would be able to attend the school and recapture the many thrilling moments that he himself had experienced...." His hopes were realized and today his son is the director of the Occupational Medicine Center at Washington Hospital, Washington, Pennsylvania and past director of the Family Practice Residency Program there. Mrs. Schmieler survives.

Milton Ginsberg '38

(Abingdon, Maryland, March 17, 1992) interned at Columbia Hospital in Pittsburgh and was a surgical resident at Delaware Hospital, Wilmington, and a resident in thoracic surgery at Mount Wilson State Hospital. After three years of service in the Army Medical Corps in Europe, he left with the rank of major and a Bronze Star and joined the Fort Howard Veterans Hospital staff where he became chief of thoracic surgery. In 1968 he moved to New York where he was chief of staff at the Brooklyn Veterans Hospital. Two years later he became director of that hospital and a district director supervising 10 veterans hospitals in the New York City area. During his career he authored numerous professional papers and taught surgery at Johns Hopkins Hospital. Survivors include his wife, two daughters and a son.

A. Frank Thompson, Jr. '40

(Concord, North Carolina, February 20, 1992) interned at University of Maryland Hospital and had begun a residency at Columbia Presbyterian Medical Center, NY, when he was called into the Army. In the China-

Burma-India theater, he was with two Chinese Divisions on the Burma Road and also the 14th Evacuation Hospital. Discharged as a major, he returned to Columbia to complete his residency and began private practice in Concord, NC. He was a world traveler who fulfilled his childhood dream of visiting Antarctica. Dr. Thompson was an accomplished cabinet-maker and spent many hours in his workshop. Among the survivors is his wife.

James R. Karns '40

(Salem, New Jersey, February 28, 1992) died after a heart attack while on vacation in Port St. Joseph, Florida. A specialist in internal medicine, he had been president of the medical board at University Hospital, chief of clinical medicine at Maryland General Hospital and president of the Trustees of the Endowment Fund of the University of Maryland. Dr. Karns was a past board member of the Medical Alumni Association. He received the university's Gold Medal when he graduated and went on to do an internship at University Hospital before serving in Australia as a captain with the Army's 42nd General Hospital and its subsidiary, the 3rd Portable

Surgical Hospital. His decorations included the Bronze Star and a Presidential Unit Citation. Upon completion of a residency at University Hospital, he became an instructor in medicine and director of the medical school's student health service, holding the latter post for 20 years. He published professional papers concerning heart disease, emphysema and tuberculosis. Survivors include his wife and son.

Theodore J. Graziano '41

(Towson, Maryland, November 30, 1991) was a general practitioner and surgeon who did his internship and residency at Union Memorial Hospital (1941-41), Mercy Hospital (1942-43) and South Baltimore General Hospital (1943-45). He once said that his most gratifying experiences in practicing medicine were "caring for whole families through infancy, puberty, adolescence, etc." Survivors include his wife, son and two daughters.

Edward C. Day '43

(Herndon, Virginia, March 7, 1991)

Mahlon J. Shoff '52

(Anchorage, Alaska, July 11, 1989)

Albert B. Bradley '55

(Baltimore, Maryland, February 10, 1992) After having served in the U.S. Army during World War II, he attended medical school, served an internship at Maryland General Hospital and was part of that hospital's first family-practice residency program. For 25 years he was medical director of the Overlea Gardens Nursing Center and a house physician at the Belair Convalesarium. In addition to being on the medical staffs of Maryland General and Franklin Square Hospitals, he was active in medical associations. He is survived by his wife, three daughters and a son.

Charles M. Henderson '57

(Brooklandville, Maryland, January 26, 1992) After an internship and residency at University Hospital, he practiced neurosurgery in Baltimore for 26 years and became chief of neurological surgery at St. Agnes Hospital

before retiring in 1989. He served on the Board of Directors of the Medical Alumni Association and was the first president of the Maryland Neurosurgical Society as well as a member of the Congress of Neurological Surgery, the American Board of Neurological Surgery, the American Association of Neurological Surgeons and the Alpha Omega Alpha honor society. He is survived by his wife, son and daughter.

George H. Henning '60

(Salisbury, Maryland, November 14, 1991) practiced family medicine in Salisbury.

Warren William Chamberlain '73

(Washington, D.C., December 10, 1991) As a member of the U.S. Army, he completed his internship and residency at the Walter Reed Army Medical Center and became a staff pediatrician at Heidelberg Army Hospital in Germany and later chief of pediatrics at Fort Meade Army Hospital. After becoming a private practitioner, specializing in allergy and immunology, and becoming one of the first physicians to use low dose AZT in the early treatment of HIV infections, he

remained in the Army Reserve and was a colonel at the time of his death. He conducted training sessions for health care workers and gave lectures on AIDS in the workplace. Capitol Hill Hospital named him Physician of the Year in 1990. Survivors include three children. A memorial fund has been established in Dr. Chamberlain's name. Contributions should be sent to the Medical Alumni Association.

William D. Tigertt, Faculty

(Baltimore, Maryland, January 19, 1992) retired with the rank of brigadier general from an Army Medical Corp career that started in 1940 and spanned 30 years. He became professor of medicine and pathology and associate chairman in the department of pathology at the School of Medicine. He brought with him expertise he had gained in the Army where he was an authority on preventive medicine and the causes and transmission of infectious

diseases. His knowledge of tropical diseases and those caused by viruses and rickettsiae enabled him to help find treatment for drug-resistant strains of malaria in Vietnam and to serve as editor of the *American Journal of Tropical Medicine* from 1983 until 1990, during which time he was instrumental in changing the method of publishing from traditional to electronic. In 1975 he was named the Kober Lecturer of the American Association of Physicians and was chosen as a Joseph E. Smadel Award winner and lecturer by the University of Maryland. He was instrumental in helping to start the medical technology program while at the School of Medicine and, after his retirement, served on the volunteer faculty. Among survivors are his wife, daughter and son.

SAN DIEGO EVENT HONORS DR. WOODWARD

Over 100 alumni and members of the Maryland chapter of the American College of Physicians met on Friday, March 27 at the famous Del Coronado Hotel in San Diego to pay their respects to Theodore E. Woodward, M.D. '38. That same day, Dr. Woodward was presented with the ACP's Distinguished Teacher Award in recognition of his long career in education.

The Del Coronado, a National Historic Landmark, provided elegant Victorian surroundings as we gathered on a Promenade between the swimming pool and beach to watch the sun set over the Pacific. Dr. Woodward spoke briefly to his former students and colleagues about the progress of the School of Medicine and recalled humorous and nostalgic moments with those present. Hosts were Frank Calia, M.D., vice-chairman of the department of medicine; Emile Mohler, M.D., ACP Governor for Maryland; and Carole Miller, executive director of the Medical Alumni Association.



Drs. Kevin O'Keefe '85; Stephen Puentes, Staff '84; and friend.



Drs. Philip Panzarella and Barbara Carroll '81; Dr. and Mrs. Daniel Hardesty '73.



Drs. Barbara Fleming '86; Lori Trommer; Lisa DiMarzio, '87; and Jim Dickey '86.



Dr. and Mrs. Phillip Toskes '65; Dr. Michael Oldstone '61.



Drs. Theodore Woodward '38 and Thomas Wilson '87.



Dr. and Mrs. John Schanberger '55.

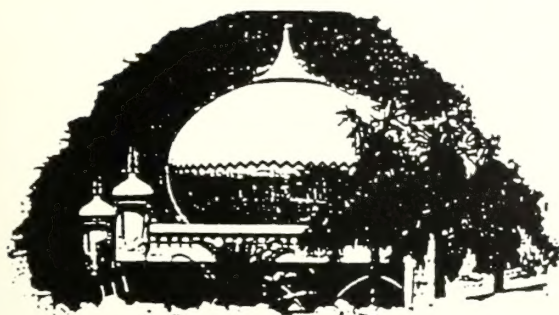


Drs. Frank Calia; John Blotzer '72; H. Miller; and Edward Souweine '78.



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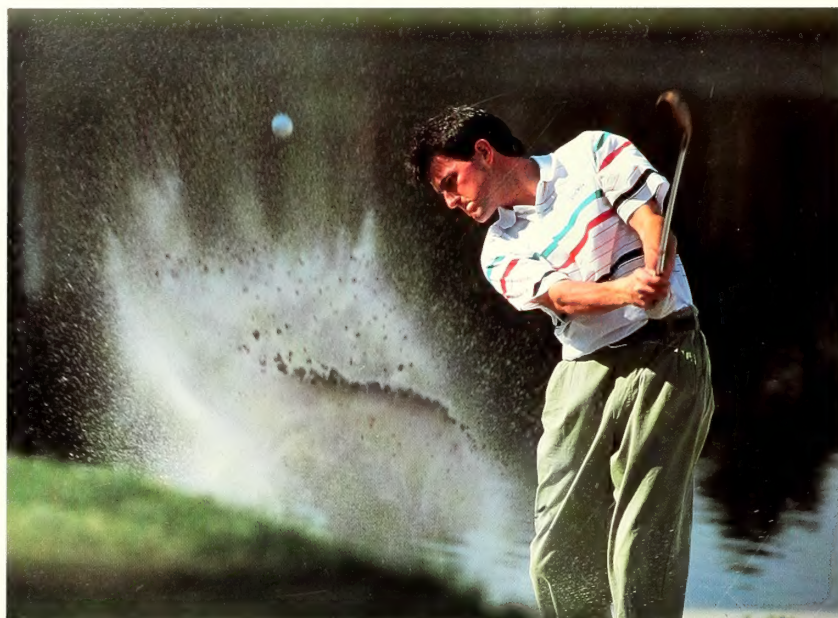
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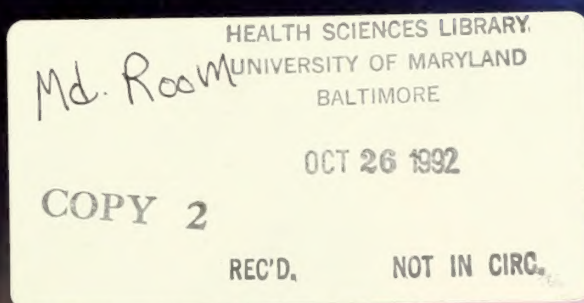
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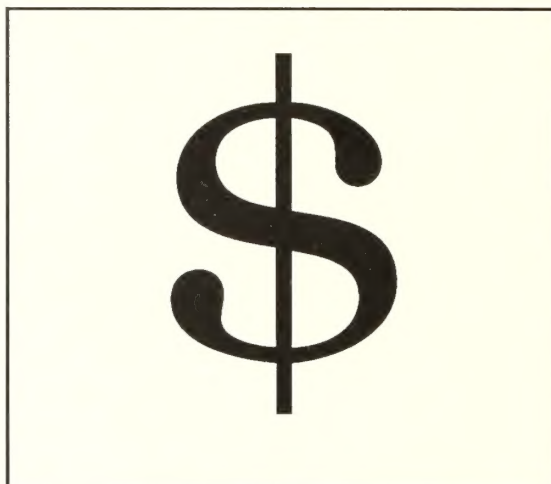
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Executive Editor/Carole L. Miller. Senior Editor/Mary C. Love.

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Correspondence should be addressed to the Editor of *The Bulletin*. Communications regarding membership, dues status or changes of address should be directed to the executive director of the Alumni Association. Four to six weeks advance notice is required for address change.

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MESSAGE FROM THE DEAN



Donald E. Wilson, M.D., Dean

There is much going on at the University of Maryland at Baltimore. The topography is changing. As we make plans for our summer activities (mine will include moving my family to Baltimore), I would like to update you on some major campus construction that is important to the School of Medicine.

Health Sciences Facility

With the award of \$49 million by the State of Maryland, construction of the Health Sciences Facility (Phase I) will begin in September. The first step will be the demolition of University Garage. However, UMAB President Errol Reese has taken a firm hand in managing the parking problems and parking has already been secured for all University Garage parkers. This state-of-the-art research/teaching facility will provide over 80,000 *net* sq. ft. of new space in 1995, and a total of 160,000 sq. ft. when Phase 2 is completed in 1999. The importance of this space cannot be overemphasized. Our current deficit of research space alone is nearly 80,000 sq. ft., so that additional space is crucial. The design of the Health Sciences Facility will allow for a totally enclosed physical continuity between it and other medical school

buildings, as well as with University Hospital and the new VA Hospital. This design should provide maximum interaction among faculty, students and staff at the three institutions.

Based upon our current productivity, we expect this new facility to generate an additional \$10 million yearly in research funding. With a combined direct and induced annual expenditure of over \$20 million, the first phase of this facility alone will produce over 400 new jobs, an important economic boost for Maryland. On behalf of the students, faculty and staff of the School of Medicine, I would like to thank the governor, our legislators, President Reese, the alumni, and our friends for their support in gaining the approval of this important facility.

Allied Health Building

In July, our departments of Medical Technology and Physical Therapy moved to the newly constructed Allied Health Building at Penn and Lombard Streets. This new facility, constructed over a period of one year, provides excellent and much needed space for these expanding and increasingly popular

training and research programs at the School of Medicine.

Baltimore Veterans Administration Medical Center

The new Baltimore Veterans Administration Medical Center is scheduled to open in November. This attractive 324-bed replacement hospital for the Loch Raven facility has a physical bridge to University Hospital. The new hospital will feature state of the art facilities/programs in ambulatory care, radiology and other disciplines such as a federally funded Geriatric Research and Education Center. Its proximity will allow close collaboration, cooperation and sharing of resources among the School of Medicine, University Hospital and the VA. Some may not know that the School of Medicine has a long-standing relationship with the Baltimore Veterans Administration Medical Center. The Loch Raven facility, along with Perry Point and Fort Howard make up the three institutions under the jurisdiction of the "Deans Committee" chaired by the dean of the University of Maryland School of Medicine. We have joint residency training programs and many VA physicians have faculty

appointments in the School of Medicine. Along with the School of Medicine, the Dental School and the schools of Nursing, Pharmacy and Social Work are also affiliated with these institutions. An already excellent interaction will be strengthened by the opening of the new VA hospital.

Biomedical Research Facility

Just north of the new VA hospital on Greene Street, we are completing construction of a new research building that will house the department of biological chemistry and other investigators. This 32,000 net sq. ft. facility is being constructed with funds generated by the School of Medicine, and is scheduled to open by December. As you might imagine, our current construction plan resembles a chess board with the initiation of each of these projects closely related to and dependent upon the completion of the other.


University of Maryland Medical System—Homer Gudelsky Tower

Demolition has already begun for the construction of the new 278,000 sq. ft. patient tower at University Hospital, located at Greene and

Lombard streets, across from Davidge Hall. Construction is scheduled to be completed by 1994. By that time, our campus will look considerably different. Most assuredly, this significant capital investment in the institutions of our neighborhood (University Center) will prove to be a wise decision for all.

While all of this construction is most exciting, the general state of the national and local economy continues to have deleterious effects on our programs and on student and faculty/staff recruitment and retention. Additional budget cuts on July 1, 1992 brought to nearly 20% the decrease in our direct state budget since I have been dean. We have not been able to maintain appropriate support of student scholarships and student financial aid. The success of the \$125 million Medical Center Campaign announced in May 1992, looms as being critical to our continued excellence.

In the next issue of *The Bulletin*, I will review my first year as dean.



Donald E. Wilson, M.D.
Dean
July 1992

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PRESIDENT'S COLUMN



Thomas E. Hunt, Jr., M.D.

It is an honor and privilege to be president of the Medical Alumni Association for 1992-93. I look forward to this opportunity to serve the association and the School of Medicine.

The association has several missions. The first is to serve the alumni, students and friends of the school. The second is to raise money to supplement the school's budget. A third is the stewardship of our beloved Davidge Hall, a national historic landmark. To accomplish these missions,

we operate a variety of programs: publication of this magazine, reunions, alumni receptions all over the country (usually at large, national medical society meetings), student activities, the annual phonathon, and the hugely successful alumni student loan program.

Here on campus, the association maintains close contact with the school and the hospital. As your president, I have been asked by Dean Wilson to serve on the Strategic Planning Committee for the School of Medicine. I was very pleased to accept this appointment as it will afford the Association a means to keep abreast of new developments and to have a voice in directing them.

What amazes me at the beginning of this fiscal year is that, in a period of economic downturn all over the country and of particularly hard times for higher education here in Maryland, our alumni have responded with an extraordinary outpouring of support. Our membership has never been larger and our fundraising has increased significantly this past year. What does this indicate for the future? My conclusion is that the alumni and friends of the School of Medicine have shown their true colors by responding as

never before to the school's critical need for support. My hope is to continue to build the kind of dedication you have already demonstrated in great measure.

My conclusion is that the alumni and friends of the School of Medicine have shown their true colors by responding as never before to the school's critical need for support.

When I enter Davidge Hall to visit the association's offices, I am constantly reminded of the lectures I attended here 40 years ago; I know that many of you have similar memories. These memories of the past are the basis for our support and it is our final and unwritten mission to keep your memories alive. I thank you for your loyalty and I encourage you to call me or the association staff whenever we can be of help.

Thomas E. Hunt, Jr.

Thomas E. Hunt, Jr., '54
President,
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NEWS



CAMPAIGN UPDATE



Kicking off the UMMC's Capital Campaign are Mr. Roger C. Lipitz, chairman of the board of directors, UMMS; Dr. Morton Rapoport; Governor William Donald Schaefer; Dr. Donald Wilson; UM Chancellor Donald Langenberg and UMAB President Dr. Errol Reese.

On Our Way!

UM Medical Center Launches Capital Campaign

On May 21, the University of Maryland Medical Center publicly announced its \$125 million, five-year capital campaign. The campaign was announced by Dr. Donald E. Wilson, dean of the School of Medicine, Dr. Morton Rapoport, president and chief executive officer of the Medical System and Mr. Richard E. Hug, chairman of the campaign.

"The fundraising campaign we have launched will enable this thriving academic

medical center to continue its mission well into the next century," said Mr. Hug who is chairman of Environmental Elements Corporation and has led successful fundraising campaigns for the National Aquarium in Baltimore, the Kennedy-Krieger Institute, the Baltimore Symphony Orchestra, and the United Way of Central Maryland.

At the kickoff, campaign officials announced they have already raised more than \$22 million in private contributions toward the \$125 million goal (see Spring 1992 *Bulletin*).

"We have begun this

fundraising campaign, in partnership with the School of Medicine, in order to continue our mission to serve the citizens of Maryland with the best possible medical care," said Dr. Rapoport.

innovation and research support. High quality research space is the single most important asset for recruiting new faculty and ensuring high quality patient care. Because of this, campaign funds also

High quality research space is the single most important asset for recruiting new faculty and ensuring high quality patient care.

As part of the campaign, the School of Medicine is seeking endowments for more internationally distinguished professors and eminent scholars who will become the future leaders in addressing the issues of health and health care delivery. The school is also seeking funding for student loans and scholarships, minority outreach, curriculum

will be used to renovate 100,000 square feet of outdated research and teaching space.

"The campaign will enable our medical school to continue its astonishing rate of growth by enhancing the research facilities as well as improving the learning for our students," said Dean Wilson ■



CAPITAL CAMPAIGN - WHERE THE MONEY WILL GO

Breakdown of dollars:

University of Maryland Medical System Patient Care Facilities:

\$43 million from private philanthropy

\$50 million from State of Maryland

University of Maryland School of Medicine

\$32 million from private philanthropy for renovating outdated research and teaching space; strengthening medical education programs, including student loans and scholarships; and initiating new research programs.

NEWS



UMAB Researcher Appointed to NIH Task Force

Dr. Barbara C. Hansen, director of the Obesity and Diabetes Research Center, and professor of physiology in the School of Medicine, has been appointed by the Director of

the National Institutes of Health to the National Task Force on the NIH Strategic Plan.

NIH Director Bernadine Healy announced that this Task Force will take the next pivotal step in what she views as an historic initiative to prepare a strategic plan to guide the future priorities and policies of NIH. The plan is expected to provide a stable, flexible, and fair environment in which to pursue national health goals and public needs ■

Family Medicine Department Awarded Robert Wood Johnson Grant

The Medical Quality Assurance in Long-Term Care Project in the division of geriatrics in the department of family medicine, has been awarded a grant for approximately \$350,000 from the Robert Wood Johnson Foundation's Program to Improve Long-Term and Ambulatory Care Quality. With this funding, the project will define clinical practice guidelines for medical care in nursing

homes for four selected conditions: new-onset fever, altered mental states, malnutrition, and terminal comfort/care; and, develop chart review forms to assist quality management personnel in evaluating compliance.

For further information, contact Dr. George Taler, department of family medicine, School of Medicine, at 410-328-5145 ■

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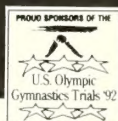
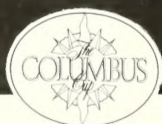


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NEWS

Shpritz and Appleton Join The 1807 Circle

Louis A. Shpritz '70 of Owings Mills, MD has made a generous planned gift to the School of Medicine in the form of a \$100,000 life insurance policy. At the same time, Deborah Wright Shpritz, a 1978 graduate of the School of Nursing, made a gift of another \$100,000 policy to Nursing. "We believe strongly that other couples in our situation should consider giving equally to Nursing and Medicine," Mrs. Shpritz said recently.

Both Dr. and Mrs. Shpritz have a long history of involvement with their alma mater. Both are faculty members and are active in alumni affairs. Dr. Shpritz, a urologist, has just become Secretary of the Medical Alumni

"We really wanted to give something back and this was a way to maximize our giving"

Association board of directors and is a long-time member of the John Beale Davidge Alliance.

"We have gotten so much from the university over the years," said Dr. Shpritz, "we really wanted to give

something back and this was a way to maximize our giving. It's evident to us that for a state school to achieve excellence, private philanthropy will have to provide the means, because state legislatures simply can't supply the needed funding."

With this unrestricted gift, Dr. Shpritz becomes a charter member of The 1807 Circle of the School of Medicine and the Presidents Circle of the University of Maryland System.

• • •

James R. Appleton '61 of Severna Park, MD has also become a charter member of The 1807 Circle of the School of Medicine and the Presidents Circle of the University of Maryland System. In addition to his cash gifts, he recently donated an existing \$50,000 life insurance policy to the School of Medicine through the Medical Alumni Association.

When realized, the policy will fund the establishment of a fund honoring Gordon Chalmers, a long-time family friend, and Theodore E. Woodward '38; the fund will be used for lectures on the history of medicine. "Dr. Woodward has meant so

much to the School of Medicine over the years and Mr. Chalmers has meant so much to my family, that I have been thinking for some time about a method to honor both," said

"This was the perfect route for me"

Dr. Appleton, "This was the perfect route for me. Since my children have all now reached adulthood, I realized that I really didn't need all the life insurance I was carrying, so I converted an existing policy to a gift for the school. I encour-

age other alumni to take advantage of insurance to make a significant gift at a very reasonable cost."

Dr. Appleton has been a member of the John Beale Davidge Alliance for several years. He serves as co-captain of the Class of '61, is a devoted Phonathon caller, and is a past member of the board of directors of the Medical Alumni Association. His youngest daughter, Becky, is a second-year student in the School of Medicine and also participated in last fall's Phonathon ■

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Susan Cohen and Bill Whiteford

School of Medicine Filmmakers Win Emmy

Susan Cohen and Bill Whiteford, of UMAB's Video Press, received the second Emmy in their filmmaking careers. The National Academy of Television Arts and Sciences awarded the Emmy for the team's production of "Grace," a seven-year documentation telling the story of Grace Kirkland, a victim of Alzheimer's disease, and her husband, Glenn, who cared for her at home.

Cohen and Whiteford, who work through the School of Medicine's department of physical therapy, received their first Emmy for "Beginning with Bong," which explores the challenges faced by six disabled students who attend mainstream elementary and middle schools in Maryland.

For Video Press information, call 1-800-328-7450 ■

UM Conducts Hysterectomy Study

The University of Maryland is conducting a statewide hysterectomy study recently funded by the Agency for Health Care Policy and Research. Dr. Gay Guzinski, chief of benign gynecology, and Dr. Kristen Kjerulff, assistant professor in the department of epidemiology and preventive medicine, are the co-investigators for the

three-and-a-half year study.

The study will enroll and follow 1,300 women who are scheduled for hysterectomies at 22 participating hospitals. For more information, please contact Dr. Kjerulff or Nancy Adler at 410-328-3733 ■

Heart Disease, Stroke, Cancer Cause Two-Thirds of Maryland Deaths

More than 60 percent of the deaths in Maryland each year come from causes largely preventable—heart disease, stroke and cancer, according to a study published in June by School of Medicine researcher Stephen Havas, MD, MPH, MS, associate professor of epidemiology and preventive medicine.

"Deaths from these three diseases are occurring at a higher rate in Maryland than elsewhere in the United States," Dr. Havas said. In heart disease, stroke and cancer, Maryland's mortality rates are above the national aver-

Deaths from these three diseases are occurring at a higher rate in Maryland than elsewhere in the United States.

age for heart disease—7 percent over the national average; stroke—16 percent over the national average; and cancer—13 percent over the national average.

"Heart disease, cancer and stroke account for a total economic cost of almost \$1,300 for each Maryland resident," Havas said.

More than 50 percent of those who die from heart disease, stroke and cancer are under 75 years old, and these deaths should be considered premature, the study said. Each year, more than 12,000 Marylanders die from these three diseases before they reach 75 years of age, resulting in 150,000 years of life lost.

To reduce the incidence, mortality and costs of these diseases, Havas suggests that a statewide, comprehensive health promotion and prevention program be established.

"We know the many causes of these diseases," he said. "Effective programs to rapidly reduce death and disability from these diseases can be mounted at a relatively low cost. Because these diseases share many of the same risk factors, it is most cost-effective to target all three simultaneously."

Such an effort would save thousands of lives and could be implemented for less than a dollar per Maryland resident annually, Havas said. The report, which is the first-ever comprehensive report on the impact of the three diseases in Maryland, was published in the *Southern Medical Journal* ■

Heart disease, stroke and cancer are decreasing the life expectancy of many Marylanders to below the average life expectancy in the United States of 75 years of age. The data shows:

- * **Coronary Heart Disease:** Twenty-two percent of the estimated deaths from coronary heart disease occur before 65 and another 24 percent between ages 65 and 75.
- * **Cancer:** Thirty-eight percent of the deaths from cancer occur before age 65 and another 29 percent between ages 65 and 75.
- * **Stroke:** Nineteen percent of deaths from stroke occur before age 65 and another 20 percent between ages 65 and 75.

Portable Cholesterol Screening Machines Deemed Inaccurate

One of the most commonly used portable cholesterol screening devices needs to improve its precision, accuracy and durability, according to a new study in the March issue of the *American Journal of Public Health*.

Dr. Stephen Havas, associate professor of epidemiology and preventive medicine in the School of Medicine, said only two of the four Reflotron units in his 18-month analysis met the 1992 federal standards for accuracy, while none of the machines met 1992 standards for precision. All four cholesterol analyzers became unusable at some time during the study due to imprecision.

The study, performed in four Massachusetts communities, found that 16 percent of the 10,000 people screened had their cholesterol risk category misclassified. The cholesterol levels measured by the Reflotron were compared to levels found in a laboratory which had met the standardization requirement of the Centers for Disease Control.

Havas said 40 percent of the cholesterol values given by the Reflotron were off by more than 5 percent. Incorrect measurements ranged from 80 percent too high to 57 percent too low.

The four-year study is funded by the National Heart, Lung and Blood Institute ■

UM Clinical Centers on Stroke and Multiple Sclerosis Funded by NIH

The School of Medicine will receive \$12.6 million from the National Institutes of Health over the next five years to support two clinical centers studying stroke and multiple sclerosis.

In the current year, the Clinical Stroke Research Center and the Center for Demyelinating Diseases—housed in the department of neurology—will receive \$2.3 million. “The grant will support sever-

al research projects that address community health issues such as drug abuse,” said Dr. Kenneth P. Johnson, professor and chairman of neurology in the School of Medicine.

The grant for the Clinical Stroke Research Center is headed by Dr. Thomas Price, professor of neurology in the School of Medicine. The grant for the Center for Demyelinating Diseases is directed by Dr. Johnson ■



Dr. Judith C. Lovchik

Antibiotic Treatment May Reduce Pregnancy Complications

Treating all pregnant women with broad-spectrum antibiotics may reduce adverse complications such as prematurity and secondary infertility and reduce the costs associated with those complications.

“Our conclusions go against the grain,” said Dr. Judith C. Lovchik, research assistant professor of pediatrics at the School of Medicine. According to her study, the most cost-effective way of dealing with chlamydial infection is to treat all pregnant women with a broad-spectrum antibiotic whether they are infected or not. “Antibiotic treatment has been shown to improve pregnancy outcomes in a variety of circumstances,” Lovchik said. “If you only treat

those that test positive for chlamydia, you are leaving out people who would have benefited from the antibiotic treatment, possibly for reasons unrelated to chlamydia.” Cost savings demonstrated in the study varied from \$228 per pregnant patient for a screening with treatment strategy to \$2,728 per patient for the routine treatment strategy.

Lovchik said chlamydial infection rates in U.S. pregnant populations vary from 5 percent to 37 percent. These infections are associated with complications such as prematurity, low birth weight, infant disease, ectopic pregnancy, postpartum infection and infertility.

“People will use the argument that they don’t screen because it costs too much,” Lovchik said. “But it is more costly to treat the complications that occur without screening or treating. These are expensive complications” ■

Young Baltimore Blacks at High Risk for Stroke

In the largest study of any U.S. city to assess the risk of stroke among young adults, researchers have found that the rate of stroke in blacks is much higher than in whites in the Baltimore area. The study found that the stroke risk in the 15 to 44 age group in the Baltimore area is higher than in the same age group in two comparable European cities.

The most common type of stroke, cerebral infarction, was twice as common in young Baltimore area blacks than in whites. Blacks were three times more at risk than whites for strokes.

“Although stroke does not occur very often in young

adults compared to the older population, it is still a devastating problem,” says Dr. Steven J. Kittner, the lead investigator in the study.

The researchers compared the rates in the Baltimore area with those of Stockholm and Florence—two other cities where the incidence of stroke among young adults has also been studied extensively. For cerebral infarction, which causes 85 percent of all strokes, the rate among Baltimore whites is two to four times the rates of the other cities, while the rate among Baltimore blacks is four to seven times the international rates ■

The *Advances* section is compiled with thanks to the public affairs officers of UMB (410-328-7820) and UMMC (410-328-6776):

Jill Bloom
Chris Evans
Quincey Johnson
Ellen Beth Levitt



Dr. Susan Keay and Dr. Philip Keiser

New Test May Detect HIV-1 Infection Earlier

School of Medicine researchers have discovered that a new detection method, called "anti-CD4 antibody testing," may indicate HIV-1 infection as early as 18 months before standard tests for the virus. Current methods of testing for HIV-1 appear to have a six week to 42-month period during which a person's HIV-1 infection can go undetected. The current methods measure antibodies to the virus, while the new anti-CD4 test measures antibodies to the protein on the surface of cells that the virus infects.

Dr. Susan Keay, assistant professor of medicine in the School of Medicine and Dr. Philip Keiser, an infectious diseases fellow at the School of Medicine, worked with researchers from SmithKline Beecham Clinical Laboratories

and the Multicenter AIDS Cohort Study to examine the blood of 15 people who ultimately proved to be infected with HIV-1 by the development of antibodies against the virus.

In that study, anti-CD4 antibodies were present in the blood of 40 percent of these persons for as long as 18 months before they were tested positive for HIV-1 by standard antibody tests. In addition, 85 percent of these individuals had anti-CD4 antibodies present at the time they developed antibodies to HIV-1.

In contrast, anti-CD4 antibodies were found in the blood of only 10 percent of 50 men at high risk for HIV-1 infection who have not become infected with the virus ■

Study Begins on Tamoxifen to Prevent Breast Cancer

Women at high risk for breast cancer are being recruited for a national study of a drug that could prevent breast cancer. The drug, tamoxifen, is an anti-estrogen drug currently being used extensively to treat breast cancer, but researchers believe it may prevent the disease in women at high risk. Funded by a grant from the National Cancer Institute, the study will be conducted at the University of Maryland Medical Center and 270 other sites in the United States and Canada.

"Up until now, our best weapon to fight breast cancer has been early detection," says Dr. George Elias, director of surgical oncology, who will head the University of Maryland study. "But if we could prevent breast cancer from occurring in the first place in some patients, we could truly make a significant impact."

Tamoxifen is a synthetic drug frequently given to women after surgery, chemotherapy, or radiation treatment for breast cancer. It binds with estrogen, which is believed to promote breast cancer growth, and makes the estrogen unavailable to the rest of the body.

The drug has shown encouraging results in women

who have taken it after having surgery for cancer in one breast. The incidence of tumors developing in the other breast, as long as 10 years later, was reduced by as much as 50 percent.

A total of 16,000 women will be enrolled in the study; 100 of them in Maryland. To

Up until now, our best weapon to fight breast cancer has been early detection

be eligible for the study, participants must be in good health, over age 35, and considered at high risk because of a family history of breast cancer, previous biopsies for benign tumors, and other factors.

During the first five years of the double-blind study, half of the women will receive tamoxifen and the other half will receive a placebo. All will be followed for at least eight years to see whether fewer cases of breast cancer develop among those who receive the tamoxifen.

Physicians who wish to recommend patients for the study may call 328-5224 or 1-800-492-5538 ■



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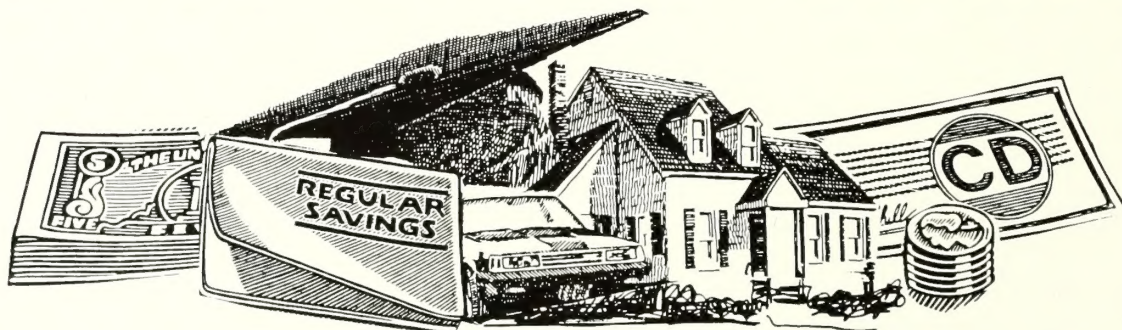
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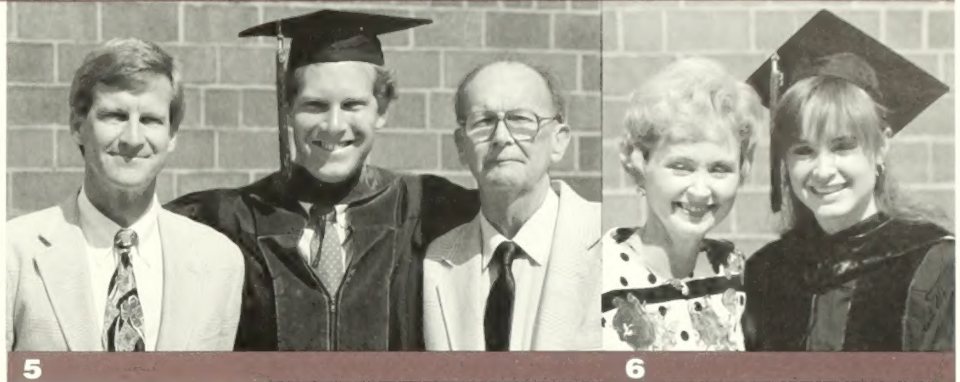
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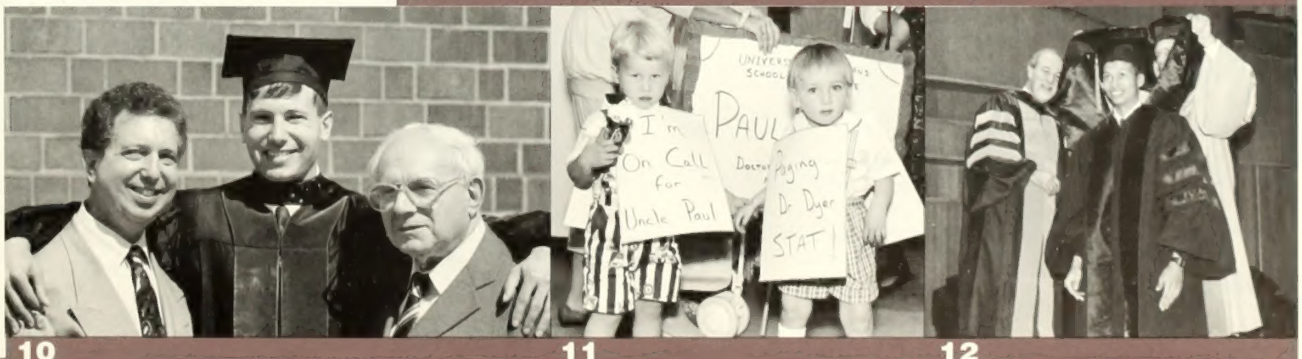
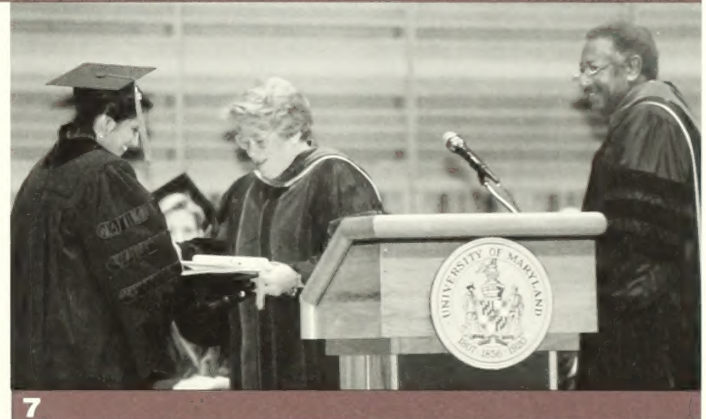


The annual School of Medicine precommencement ceremonies were held at the Joseph B. Meyerhoff Symphony Hall in Baltimore on Friday morning, May 22. The class of 1992 received individual awards and honors as well as their academic hoods. Dean Wilson, Dean Emeritus Dennis and many department heads, faculty and administrators joined the families of the graduates for the ceremonies and for an outdoor brunch afterwards.



1992 Commencement

- 1 Juanito Lopez, faculty and son Jeff
- 2 Class of '92
- 3 Hannah Pearce and Felipe Albuquerque, winners of the 1992 Faculty Gold Medals
- 4 Kathryn Colby, the 1992 Balder Scholar
- 5 Sidney Gehlert '68, son Rick, and father Sidney '37
- 6 Susan Laessig '80 and daughter Katherine
- 7 Dr. Jane Matjasko presenting the Martin Helrich Award to Abha Sinha
- 8 Jonathan Krome and father Ronald '61
- 9 Murray Kappelman '55 with the silver mace depicting Davidge Hall
- 10 Alfred Rosenstein '65, son Andrew, and father-in-law Albert Kurland '40
- 11 The proud family of Paul Dyer '92
- 12 Jaques Conaway receives his hood



Welcome Orioles!



When baseball fans at the University of Maryland Medical Center want to root, root, root for the home team, they need only take a 10-minute stroll to the university's newest neighbor, Oriole Park at Camden Yards.

Built on the site of a one-time railroad center, the new ballpark—with its arched brick facade and natural grass turf—is reminiscent of the magnificent big league ballparks built in the early 1900s.

Physical proximity aside, the university and the Orioles enjoy a number of longstanding and new relationships—from alumni team physicians and the "BIRD-line" in the E.R., to the Orioles players' visits and gifts to the UMMC's Hospital for Children.

Class of '58 has two team physicians

In 1958, when Sheldon Goldgeier and Charles E. Silberstein graduated from the School of Medicine, neither had the slightest inclination of becoming team physicians for a major league baseball team. Today, both alums are Orioles team physicians, tending to the medical needs of Baltimore's favorite stars.

Since 1966, Dr. Goldgeier has run routine physicals during spring training, cared for the mostly minor medical ailments of healthy young athletes and monitored the heart problems of coaches and those in the front office. Over the years, Dr. Goldgeier, a former president of the Maryland Society of Internal Medicine, has also treated his share of fans. There are normally about three to four heart attacks a year, in addition to a regular occurrence of heat stroke, asthma, sprains, bumps and bruises and whatever else crops up when up to 40,000 people come to watch a ball game.

Orthopedic surgeon Dr. Silberstein has treated injured elbows, shoulders and limbs for major league baseball

players for the past 14 years. Dr. Silberstein, medical director of the Bennett Institute for Sports Medicine & Rehabilitation, has developed an injury monitoring system to follow the progress of players recov-

There are normally about three to four heart attacks a year, in addition to a regular occurrence of heat stroke, asthma, sprains, bumps and bruises and whatever else crops up

ering from injuries. He makes several trips to spring training in Florida to examine players throughout the Orioles organization. Under the guidance of Dr. Silberstein, the Orioles have also instituted a program in preventive shoulder injury education.

Drs. Goldgeier and Silberstein were featured at length in the Spring 1992 issue of UMAB Today, a news and information tabloid for alumni and friends of the University of Maryland at Baltimore.

The other team: E.R. staff pitches in

The orange-and-black phone is ringing and the E.R. staff's fancy turns to baseball.

It's the BIRD-line and it means the medical staff at Oriole Park at Camden Yards may be sending a fan over to the emergency room of the University of Maryland Medical Center.

Since the stadium opened, two players and about 32 fans have visited the E.R., located only a few blocks away from the new ballpark. On the average, the E.R. treats one or two people per game—usually for heart-related problems, musculoskeletal injuries, or gastrointestinal disorders.

And while the hapless fan gets stitched, splinted or soothed, the game, of course, goes on.

"We try to get them back to the game when the

injury is not critical," says Dr. Robert Barish, head of emergency medicine and a key player in orchestrating the services that UMMC provides to the Orioles.

"We just want to be good neighbors," says Samuel E. Moskowitz, director of Strategic Program Development for the UM Medical Center. "We view the Orioles as customers and meet monthly to keep matters in check and discuss where services can be expanded."

And, yes, there really is an BIRD-line, a black phone with an orange pinstripe pegged exclusively for game-related injuries.

Barbara Nasto



Rick Sutcliffe, Baltimore Orioles pitcher, takes time to visit at Maryland's Hospital for Children at the UMMC. He is shown here with Natanya Johnson and Gary Morris in the Endocrine Clinic.




Photos courtesy of Nancy Farmer

Outfielder Leo Gomez signs autographs at the Adolescent Outreach Program at Maryland's Hospital for Children, UMMC.



Frank Robinson, right, general manager of the Orioles, visited the Enchanted Forest in Pediatrics to present a check for \$23,000 to the Pediatric AIDS Program on behalf of basketball great, Earvin "Magic" Johnson. On hand to accept the donation were (left to right) Dr. Michael Berman, chief of pediatrics; Dr. John Johnson, head of the division of pediatric AIDS; Dr. Morton I. Rapoport, president and chief executive officer; and Dr. Donald Wilson, dean of the School of Medicine.



Healing homeless children

**UM pediatrician launches preventive
health care project for homeless children**

by Carolyn Hughes Crowley

Families with children constitute the fastest growing segment of America's homeless population. More than 12.6 million U.S. youngsters—nearly 20 percent of all children under age 18—are poor and 220,000 are homeless school children. Thus one in five American children goes to bed hungry, sick or cold; many sleep in emergency

shelters, welfare hotels, abandoned buildings or cars.

In Baltimore City, the population of poor children and families more than doubled in one year alone—from an estimated 2,095 homeless children in 1988 to 5,560 in 1989. While Health Care for the Homeless, Inc. has provided comprehensive care for homeless *adults* in Baltimore for five years, health care for children has suffered from a paucity of resources targeted specifically for their needs—food, clothing, medicine, housing and early learning assistance.

A new program, the Comprehensive Preventive Health Care Project for Homeless Children, began in April at the University of Maryland Medical Center's Pediatric Ambulatory Center (PAC). After six months of planning, the program was launched with a five-year, \$250,000 grant from the Healthy Tomorrows Collaborative Partnership for Children, a title given grants funded by the Maternal and Child Health Bureau of the Department of Health and Human Services, and the American Academy of Pediatrics.

As of late July, the plan's multidisciplinary staff members, headed by Lisa Horton, MD, assistant professor of pediatrics and department director, pediatric emergency room at the University of Maryland Medical Center, had completed intake on 18 children ranging in age from 2 months to teen-age.

The core team consists of Dr. Horton; social worker Patri-

cia Thompson, LCSW, of the Pediatric Ambulatory Center; pediatrics fellow Trena Pelham, MD; pediatric nurse practitioner Betty Schulz who does evaluations at shelters; and Wayne Holden, PhD, pediatric psychologist. Together the staff will provide on-site assessments of the physical and emotional health of the children and assessments of family functioning and coping skills of children "precar-

iously housed", i.e., those living

ously housed", i.e., those living with someone but who have no place of their own, and children at six Baltimore City family shelters (the YMCA Corner House, Rutland Transitional Housing Program, Antioch Shelter, Salvation Army, House of Ruth, and Springhill Transitional Housing Program).

The health plan will provide ongoing primary care for the children for a maximum of one year and will make appropriate referrals for both the children and mothers (no fathers have yet appeared for help) for

additional needed services. "Health care of the child is not the only concern of the program. Just as important are the caretakers' health needs, so we refer mothers to a source of health care if it's not already in place," said social worker Thompson.

Patient care begins with a three-hour intake during which a pediatrician, a psychologist and a social worker

evaluate the children. Subsequent visits depend on the child's needs for ongoing health care.

"There are no big differences between the domiciled and the homeless—poverty causes the same problems," Dr. Horton believes.

The children's medical problems appearing so far include: developmental delays (60 percent); otitis media (55 percent); dental caries (44 percent); febrile seizures (5 percent); dermatological problems, such as severe eczema (but surprisingly

no ringworm or lice); ophthalmological problems; anemia; minor trauma; and accidental poisonings. About 5 percent of the children have immunizations not up to date, especially those needed before school, such as DPT/OPV, MMR and HIB. The Children's Defense Fund reports homeless children are three times more likely to have missed immunizations than are housed children.

Asthma is a problem with 40 percent of the children, "a perfect example of a nonuser-friendly situation in the system," Dr. Horton stressed, caused when parents take their children to the shelters' smoking areas because children must always be supervised. And because mothers need proof of residency for WIC help, children are failing to thrive (FTT) due to nutritional problems.

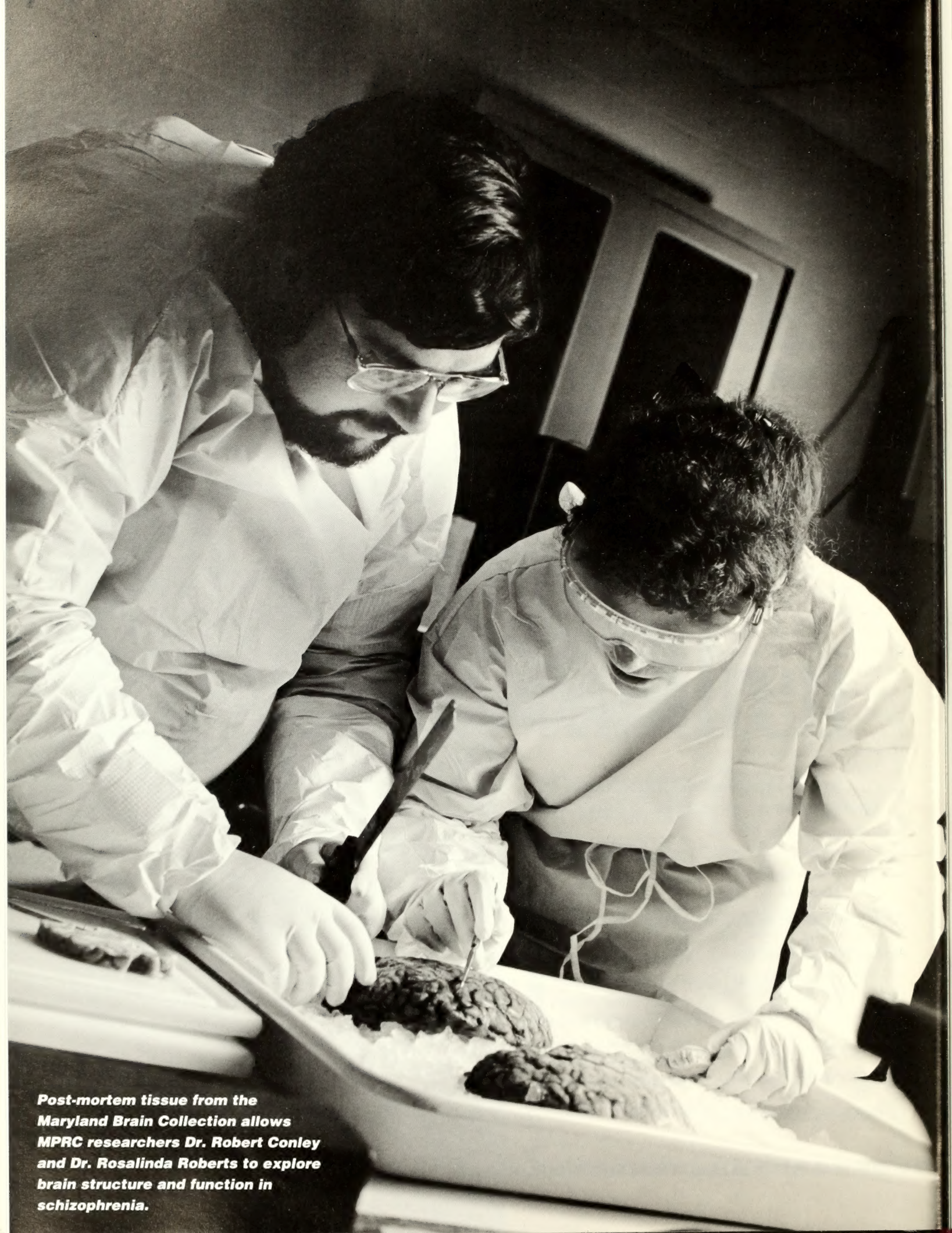
No children have appeared with foot problems, tuberculosis, or AIDS. Dr. Horton expects to see them though.

"Substance abuse of heroin, alcohol and crack cocaine in the parents is manifested in the children's distractibility, hyperactivity and cognitive delays. The dysfunctioning of the family causes the basics—food, shelter, clothing, nutrients—not to be taken care of," Thompson said.

A 22-year-old unemployed Baltimore native with an 11th grade education has visited the center with her two children, ages 2 and 4 years, several times in the last three months.

continued on page 21

**A little bit of effort
makes a big difference
in these families' lives**



Post-mortem tissue from the Maryland Brain Collection allows MPRC researchers Dr. Robert Conley and Dr. Rosalinda Roberts to explore brain structure and function in schizophrenia.



THE MARYLAND BRAIN COLLECTION

Schizophrenia

EXPLORING THE NATURE OF

Almost 100 years ago, Walt Whitman's poetry, together with the kind gentle way Whitman cared for his mentally ill brother, inspired the director of a mental asylum to end the harsh practice of locking mental patients in cages or strapping them into restraint chairs ♦ Today, Whitman's words call out to open another set of still-locked doors in the prison of mental illness—the doors in

**Open the doors,
release the doors,
release the doors
and jams.**

**Release the jams
themselves.**

Walt Whitman

such a dramatic, florid disease it seems if one were only looking at the right place there would be something huge and obvious that would

explain the hallucinations, bizarre ideas and convoluted logic of its victims. But as yet, there is no clear answer. ♦ "And that is the exciting part of it for researchers," says Carol A. Tamminga, MD, professor of psychiatry and director of

the brain which guard the secrets of the causes and cures of schizophrenia ♦ Schizophrenia presents as

inpatient programs at the Maryland Psychiatric Research Center (MPRC). "One's curiosity is just stimulated,

STORY BY MARY LOVE

about how the brain could ever become like this."

Dr. Tamminga and her colleagues at the MPRC are confident that they are on the threshold of unlocking some of those doors to a better understanding of schizophrenia - a disease which affects 1% of the world's population and fills about 20-25% of the hospital beds in this country.

The key for those doors may lie in the center's Maryland Brain Collection which Dr. Tamminga founded and directs. The collection was started almost three years ago

brain directly is brain-imaging in life (through MRI, PET, SPECT and MR spectroscopy) and post-mortem brain tissue studies. The MPRC researchers hope that by closely linking the two—imaging studies and post-mortem studies—they can give a new thrust to their research.

"The Maryland Brain Collection is one of the most successful brain collections in the world, though not the largest," says Dr. Tamminga, who stresses that the collection is not a "brain bank," and is not designed to become

It's easy to go in and take a look at the stomach and see it move or at the heart and see it pump. But brain activity is much more subtle than that.

in collaboration with the Office of the Chief Medical Examiner, Dr. John Smialek. Today it has about 200 brains, most of which are from deceased schizophrenic patients; the rest from nonschizophrenic patients and suicide victims.

"We started the brain collection because there were so many different hypotheses generating about schizophrenia, but very limited scientific ways to confirm them," says Dr. Tamminga. "It's easy to go in and take a look at the stomach and see it move or at the heart and see it pump. But brain activity is much more subtle than that."

The closest researchers can come to analyzing the

one. Brain banks, notably those at UCLA and Harvard, have over 2,000 brains and distribute tissue worldwide for research on a large variety of diseases. The Maryland Brain Collection is dedicated almost exclusively to schizophrenia research and is used primarily by the MPRC researchers.

Researchers like MPRC's Rosalinda Roberts, PhD and Robert Conley, MD, generally share the responsibilities of administering the practical aspects of such a collection in addition to carrying out their own research on the tissue.

There is little time to waste when collecting brain

tissue. Drs. Roberts and Conley carry beepers so they can be notified of autopsies and prepare the brain tissue as soon after as possible. The optimal time for some neurochemical and biochemical analyses is sometimes as little as two hours.

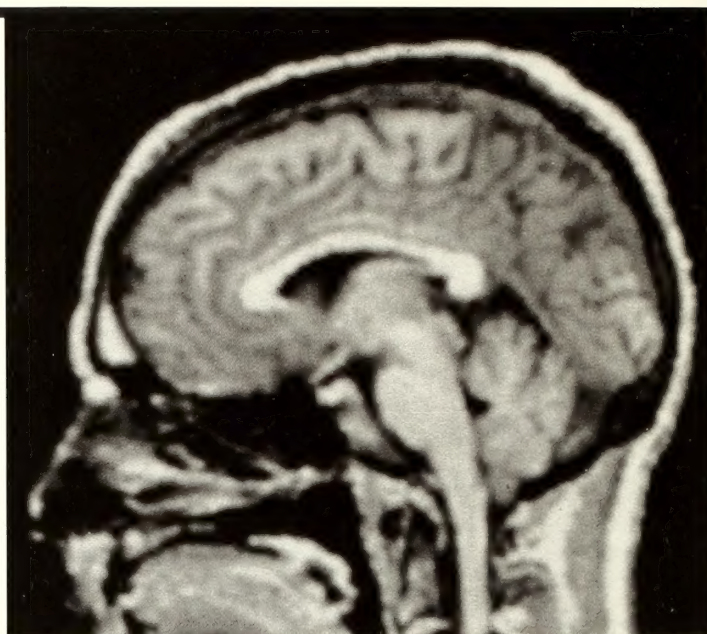
If the brains have a low enough post-mortem interval—generally 8-12 hours, they are carefully dissected and the individual brain parts are quick-frozen separately.

Most researchers use the tissue over periods of two or three years. Brains are generally not kept more than five or six years. Some of the more delicate brain chemicals, like RNA, can only keep for up to 6 months; DNA keeps forever. Transmitter proteins generally keep for about 12 months—depending on how fast the precursor is broken down into the transmitter or the transmitter itself is broken down.

Although MPRC may send tissue from the brain collection to outside investigators, the tissue is used mainly for its own studies and collaborations within the center.

"We bring different disciplines to bear on the same problem," says William T. Carpenter, Jr., MD, director of the MPRC, the psychiatry department's major site for full-time research. Located on the grounds of the Spring Grove Hospital Center, the MPRC has 17 faculty members working in clinical research and basic neuroscience research. Work in neurochemistry, electrophysiology, developmental neurobiology and neuroanatomy is intertwined with clinical research findings in the MPRC's inpatient and outpatient research units.

Probably the most important information gathered from the clinical imaging stud-



Imaging techniques such as MRI allow researchers to identify brain structures which differ between schizophrenic and normal subjects. These areas become the focus of extensive collaborative tissue research at the Maryland Psychiatric Research Center.

Above: Single mid-brain slice acquired with MRI on a GE Signa 1.5T machine, normal subject.

Image processing/photo: Edward Gastineau, MPRC

ies is the identification of brain areas likely to be involved in schizophrenia—namely the hippocampus and cingulate cortex.

In a collaborative project, MPRC researchers are analyzing hippocampal tissue from normal and schizophrenic brains using biochemical and neuroanatomical techniques. Using brains from the Maryland Brain Collection, researchers can compare the synaptic organization and ultrastructure of normal and schizophrenic brains.

MPRC researchers have also learned in the past few years that some of the changes found in post-mortem tissue and ascribed to the illness really could be more correctly ascribed to the chronic treatment of schizophrenia.

"That's a very important difference," says Dr. Tamminga. "Schizophrenics are almost inevitably treated chronically with neuroleptic drugs—dopamine receptor antagonists like haloperidol and chlorpromazine.

Imaging studies (PET techniques combined with in vivo glucose utilization) have shown that neuroleptic drugs produce ongoing changes in the basal ganglia and hippocampus. The brain tissue studies allows comparisons of brains collected from patients who were on medication until death to those who—either with or without their doctors' consent—had stopped medicine for longer than 12 months.

"I think the best work that is going to be done on schizophrenia will be by basic scientists who are expert in the research techniques necessary to evaluate tissue samples combined with clinical investigators who can specify specific brain-behavioral relations that represent the core of schizophrenia," says Dr. Carpenter.

Carpenter notes that the disease of schizophrenia is

There is little time to waste when collecting brain tissue.

more costly than all cancers combined. "Direct care costs are large because it makes such a demand on institutions. Indirect costs are staggering—patients go decade after decade unemployed or underemployed and require support for all facets of life."

"Brain research these days must be like heart research was in the 1920s," says Dr. Tamminga. "In the last decade, there's been an explosion about what we know about mammalian brain functions. Now we're starting to take that knowledge and apply it to the human brain and really get an idea of how it works. We're on the frontier."

Mary Love is senior editor of The Bulletin.

Healing Homeless Children, continued from p. 17

"They gave us somebody to talk to," she said. "You'll find very few hospitals where they'll talk to someone. I can use this place medically or just to talk. You get a special closeness to your doctor. Dr. Horton is a friend as well as my doctor. My son had a behavior problem. They taught me how to discipline him. They told me not to beat him. Both my children had speech problems which they told me how to correct."

This young mother and her children are now no longer homeless. Thompson suggested ways to raise enough money for a down payment on a two-bedroom apartment. The woman asked her church for \$166 for the security deposit and one month's rent. In July she moved in.

"We offer support and a road map," Horton said. "We coordinate services." Patients fill out WIC, Medical Assistance and AFDC enrollment forms. "No forward progress can be made until these forms are filled out. They are the basics to moving on to housing. We can cut through red tape," she says, stressing that mothers must do some problem-solving. "If we become too proactive for them, then occasionally they'll have us do everything."

"Prevention is as important as treatment for these fam-

ilies once they're homeless," she said. "It's frustrating working in the ER knowing you're sending kids out not able to access the services they need. A little bit of effort makes a big difference in these families' lives. All of our kids are up to date on their immunizations and, after walking around for a year with serious dental problems, after one visit here they'll receive dental care within two weeks. My frustrations are lessened because I can do something. I have control over things that cause frustration."

The Comprehensive Preventive Health Care Project for Homeless Children will provide comprehensive, case-managed health care to 860 children (up to 60 the first year from 20 families and 200 children each year thereafter). The funding for years two through five depends on getting matching funds of \$50,000.

For more information about the program, contact Dr. Lisa Horton, 410-328-5289.

Carolyn Hughes Crowley is a Washington-based free-lance writer.

REUNION '92

Several hundred alumni gathered in Baltimore on May 7-10 for the 117th reunion of School of Medicine graduating classes. The traditional class parties, crab feast and banquet were supplemented this year with receptions sponsored by pediatrics and the School of Nursing, and with a very special trip to see our new neighbors, the Baltimore Orioles, play at Camden Yards just two blocks from Davidge Hall. Our new dean, Donald E. Wilson, not only attended every class party, but was "adopted" by the Class of '62 via a special resolution at the Annual Business Meeting.

*117th
reunion of
School of Medicine
graduating
classes*

To those in classes ending in "3" or "8": mark your calendars for next May 6-8! We're even now planning a few surprises for you, plus we'll be marking a unique event: the 50-year golden anniversary will be celebrated by *two* graduating classes—1943M and 1943D.

1943 was the only year in our history in which two classes graduated, one in March and one in December. The cause was World War II; medical schools operated year round during the war to provide enough skilled physicians to meet the need at home and abroad. (See the related story on page 32.)

To order any of the photos which follow, send us the page number of the photo and a description. Make your check payable to the Medical Alumni Association, 522 W. Lombard St., Baltimore, MD 21201. 5x7 prints are \$8; 8x10 prints are \$10.

Photos: Richard Lippenholz

CLASS PARTIES

Reunion
'92

Class of '47

'82



'72



'52



'67



'57



'32



'77



'37



'62



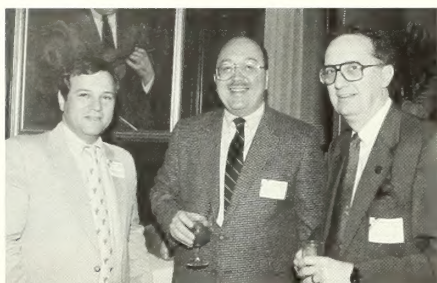
Reunion
'92

JOHN BEALE DAVIDGE ALLIANCE

The annual John Beale Davidge Alliance was held on Thursday, May 8 at the University Club. Surrounded by memorabilia of early days on campus, 50 guests met to welcome the newest members of the prestigious group. Dean Wilson and MAA President Tom Hunt



presented the traditional Waterford decanters. New members who could not be present are: David J. Greifinger '73; Richard S. Buddington '68; Thom E. Lobe '75; Donald C. Roane '65; Robert A. Helsel '69; Harry C. Knipp '76; and Irving Kahn.



Roberta and Harold Tucker '73 receiving their decanter



Andrew Malinow '81 receiving his decanter



Dean Wilson receiving his decanter



John Gareis '67 receiving his decanter



Vernon Gelhaus '55 receiving his decanter from Dr. Hunt and Dean Wilson

CRAB FEAST

Reunion
'92

Over 200 alumni and guests attended the Crab Feast on Friday, May 9 at the Medical School Teaching Facility Atrium. The crabs were terrific and the camaraderie even better.



Reunion
'92

DINNER DANCE

The elegant last event of Reunion Weekend was the annual dinner dance held at Stouffer's Maryland Ballroom and featuring the presentation of the Honor Award and Gold Key and the Medical Alumni Association Service Award. Keynote speaker was Donald E. Wilson, MD, dean of the School of Medicine. Special guests for the evening were members of the Class of 1942.



Dr. Lentz presents a check to Dean Wilson for the Association's pledge to the Campaign for Maryland's Medical Center.



Dr. Errol L. Reese, president of UMAB

Call for Honor Award and Gold Key Nominations

The board of directors of the Medical Alumni Association invites alumni and friends to nominate colleagues for the 1993 award. Selection is based on "outstanding contributions to medicine and distinguished service to mankind." Factors considered in the selection process include: impact of accomplishments; local, state, national and international recognition; supporting letters; and publications.

Since 1948, 45 alumni have received the Honor Award and Gold Key. The selection of Lewis Caplan '62 for the 1993 award marked the first time two members of the same family were honored; Dr. Caplan is the nephew of former winner Ephraim Lisansky '37. Other living recipients are:

Joseph Nataro '25	John D. Young '41
Thomas B. Turner '25	Robert E. Wise '43
George H. Yeager '29	Joseph R. Guyther '43D
Herbert Berger '32	John M. Dennis '45
Benjamin M. Stein '35	Arlie R. Mansberger, Jr. '47
Stanley E. Bradley '38	David A. Kipnis '51
Theodore E. Woodward '38	Mario R. Garcia Palmieri '51
John Z. Bowers '38	William S. Kiser '53
Schuyler G. Kohl '40	

Letters of nomination should be accompanied by a current curriculum vitae; letters of support may follow under separate cover, but all materials should be received by February 1, 1993. Send all information to:

Aubrey Richardson, M.D., Chairman
Awards Committee
Medical Alumni Association
522 W. Lombard Street
Baltimore, Maryland 21201



Lewis Caplan '62 accepts the 1992 Honor Award and Gold Key

Lewis R. Caplan was presented with the traditional gold key and a plaque at the annual dinner dance by President George A. Lentz, Jr. on May 9. Dr. Caplan is professor and chairman of the department of neurology at the Tufts University School of Medicine and the New England Medical Center Hospitals. Dr. Caplan has been a leader in the treatment and study of cerebrovascular diseases: publishing widely, lecturing all over the world and receiving numerous awards.



Theodore Woodward '38 accepts the 1992 Medical Alumni Service Award

The Alumni Service Award recognizes outstanding contributions of time and talent to the Medical Alumni Association. A former winner of the Honor Award and Gold Key, Dr. Woodward has given generously of his extraordinary talents to alumni projects such as the renovation of Davidge Hall and has, by his teaching and example, provided a model for alumni and students over the past 50 years.

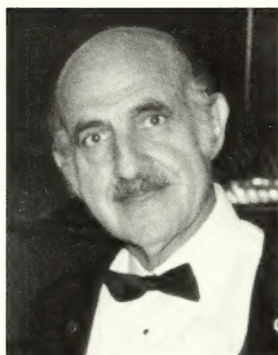
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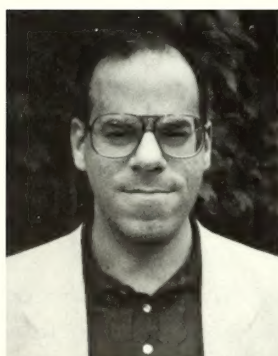
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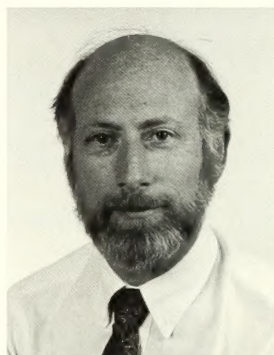
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Jean M. O'Connor '54



Kenneth M. Hoffman '70



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J. Walter Smyth '54
George A. Lentz, Jr. '57

Honorary Board Member

Benjamin M. Stein '35



Nelson Hendler '72

SCIENTIFIC CALENDAR

1992 Scientific Program

Presentations by the Class of 1967

Introductions by John F. Rogers

Class Captain

THE NASOGASTRIC TUBE SYNDROME

Robert Sofferman, MD

Professor of Surgery

Chairman, Division of Otolaryngology

Department of Surgery

University of Vermont College of Medicine

RECENT ADVANCES IN DIAGNOSTIC IMAGING

John Gareis, MD

Chief, Division of Computerized Tomography

Lancaster General Hospital

President/Medical Director - RDI

Lancaster, Pennsylvania

PARKINSON'S DISEASE - A GENERAL INTERNIST'S PERSPECTIVE

Lawrence M. Tierney, Jr., MD

Professor of Medicine

University of California, San Francisco

Vice Chairman, Department of Medicine

VA Medical Center, San Francisco

CUTANEOUS MANIFESTATIONS IN THE IMMUNOSUPPRESSED PATIENT

Elizabeth Abel Lane, MD

Clinical Associate Professor of Dermatology

Stanford University

OPHTHALMOLOGY IN THE 90s

Joel Goffman, MD

Clinical Instructor

Department of Ophthalmology

Baylor University College of Medicine

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WORLD WAR II LOOMED LARGE ON EVERY HORIZON BUT,

1942

EVEN IN THE MIDST OF WAR, THERE ARE HAPPY MEMORIES....

In the Battle of the Coral Sea, the U.S. and Japan fought with planes from naval aircraft carriers...

The Woman's Auxiliary Army Corps (WAAC) was created by Congress to assist in the war effort.... Sugar and gasoline rationing started in the U.S.—the limit was three gallons of gas a week.... The president was Franklin Roosevelt and the vice president was Henry Wallace.

"Shangri-la," later renamed Camp David, was founded by FDR as a presidential retreat.... The Alcan Highway was constructed in eight months by the Army Engineers... The first gold record went to Glenn Miller for *Chattanooga Choo Choo*.... Tubeless tires were tested... Kellogg's Raisin Bran and

Sunbeam bread were on wartime grocery shelves.

In Hollywood, *Mrs. Miniver* and Greer Garson took the honors as Best Movie and Best Actress... The Kraft Music Hall was heard on the radio waves... *This is the Army* by Irving Berlin opened on Broadway... St. Louis took the World Series from the Yankees.

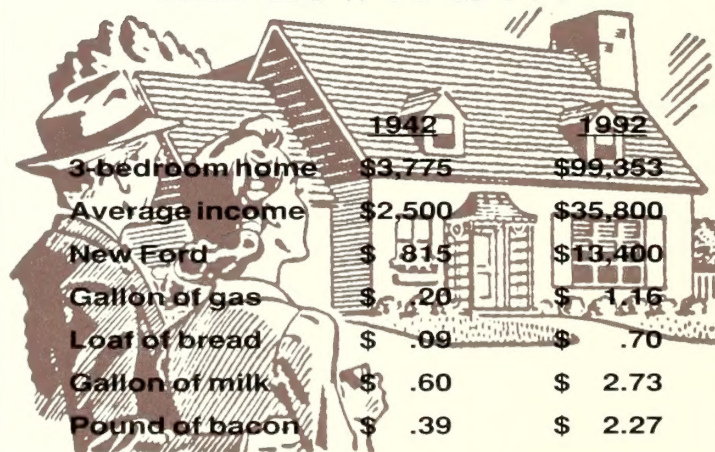
Songs lightened spirits—*Be Careful, It's My Heart*... *Don't Sit Under the Apple Tree*... *That Old Black Magic*... *Elmer's Tune*... *One Dozen Roses*... *Paper Doll*... *Serenade in Blue*... *Skylark*... and who could ever forget *Praise the Lord and Pass the Ammunition!*

"Archie" made his comic book debut... Jitterbugging in

turned-down socks and saddle shoes... "Loose lips sink ships"... Kate Smith sang on Jell-O ads... Dannon yogurt was introduced... The last Ford until the end of the war rolled off the production line... Victory Gardens were planted... Bing Crosby sang *White Christmas*.

PRICES? HERE'S HOW IT WAS

AND HOW IT IS . . .



	1942	1992
3-bedroom home	\$3,775	\$99,353
Average income	\$2,500	\$35,800
New Ford	\$ 815	\$13,400
Gallon of gas	\$.20	\$ 1.16
Loaf of bread	\$.09	\$.70
Gallon of milk	\$.60	\$ 2.73
Pound of bacon	\$.39	\$ 2.27

And that's how it was the year the Class of '42

graduated from the University of Maryland School of Medicine. Many new graduates entered the Armed Forces right after graduation, so private practice was postponed in order to keep soldiers and sailors healthy to win the war.

The following photographs illustrate the 50th Reunion of the Class of 1942.



The class party at the Governor's Club



Class members and spouses at the banquet



Class Captain Theodore Kardash and Mrs. Margaret Kardash, Dean Wilson and Mrs. Patricia Wilson



John Davis, Dr. and Mrs. Frank Concilus



Jess Senter, Irving Lowitz, Marion Friedman



Howard Franz receiving his 50-year certificate from Dr. Hunt and Dean Wilson



Frank Concilus, John Scholl '41, Mary Scholl, Louis Manganiello, Mrs. Manganiello



Joseph Bird receiving his 50-year certificate.

WAR STORIES

George Yeager '29 hosts reunion of World War II medical units

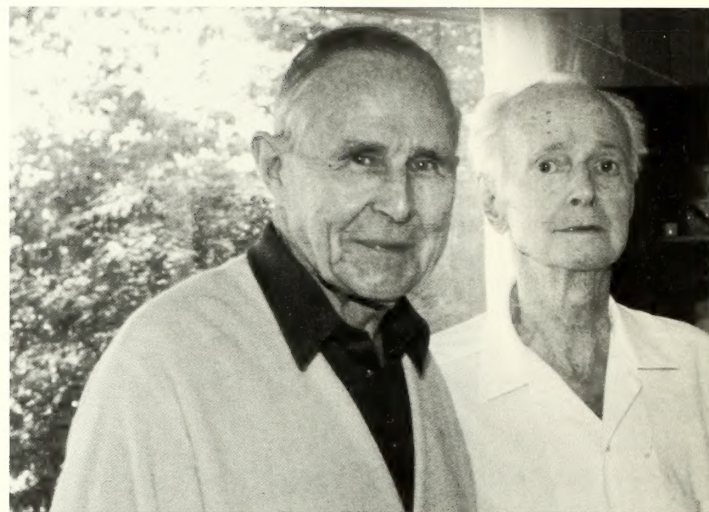
Fifty years ago, it never occurred to dozens of doctors at the University of Maryland Hospital not to volunteer for service in World War II. In fact, many stayed away from their private practices for three and one-half

years while they tended to the casualties of war.

There are only a handful of the original entourage of traveling doctors left, but recently they met at the Crownsville home of Dr. George Yeager to reminisce about their tour of duty.



Dr. Howard Mays '35



Dr. Theodore Woodward '38 and Dr. George Yeager '29

photos by Calvin Hayes

Why did these doctors leave their private practices—many of them still in their infancies? “We thought that’s what we should do,” said Col. Yeager, a 1929 graduate of the School of Medicine and an associate professor of surgery.

The unit originally was the 42nd from Maryland and was to have a 1,000-bed hospital in the Pacific. But the group was split up into the 42nd and 142nd—each with a 500-bed hospital. Col. Yeager commanded the 42nd to Australia, while the 142nd went to Fiji.

As the war advanced, Col. Yeager took his troop of doctors and nurses to Manila, and eventually to Yokohama in the Port of Tokyo.

“We were busy all

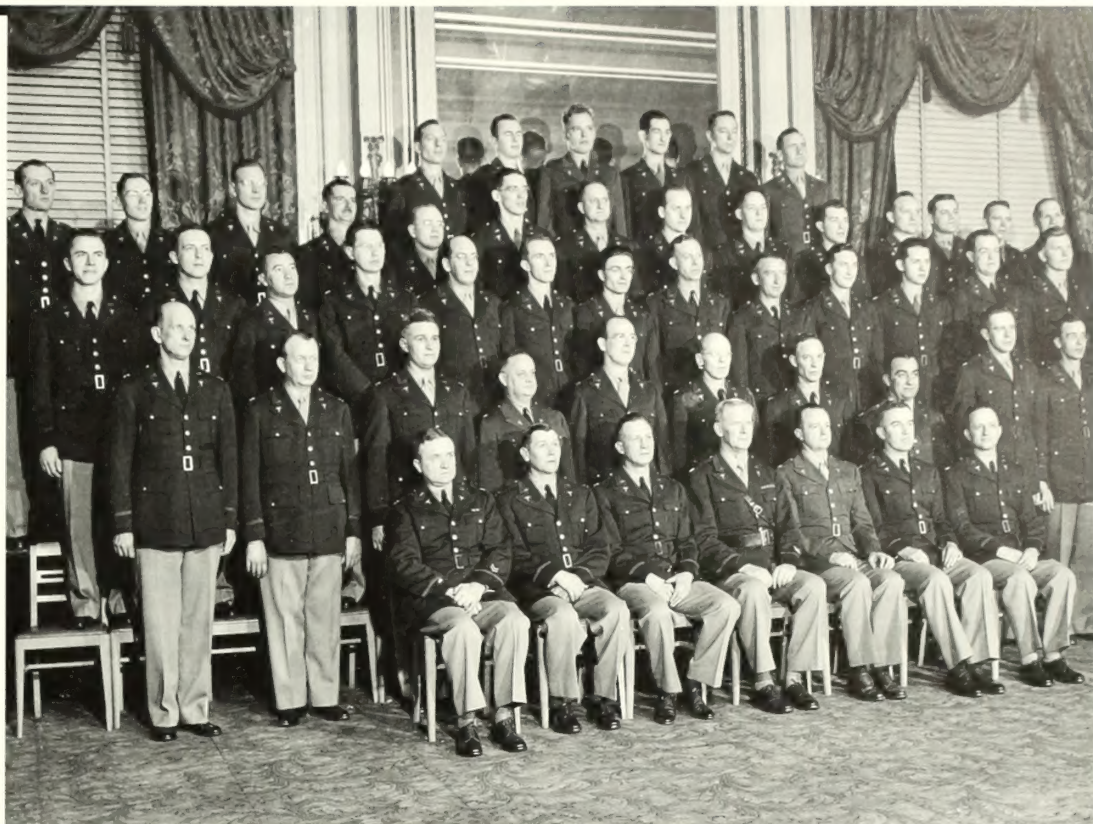
through the war,” he said. “There were units that saw very little action, but we were fortunate to be busy. We went along with MacArthur’s headquarters. When he moved, we moved.”

A lot of memories are

**WE WENT ALONG WITH
MACARTHUR’S HEAD-
QUARTERS. WHEN HE
MOVED, WE MOVED.**

packed into three and one-half years, but Col. Yeager says he’ll never forget the end. “We checked 20,000 prisoners of war—British, Dutch and American—in 23 days. Some we sent back by plane, some were hospitalized, but the

The 42nd and 142 battalions of physicians from Maryland saw three-and-one-half years of action in the Pacific during WWII. Col. George Yeager, MD '29, pictured here in the front row, third from right, hosted a reunion of the units in May.



majority were put on ships," he says. "It was emotional treating the POWs."

Dr. Harry Hull said he's still proud that it was entirely a volunteer unit. "We all felt we had to give our nickel's worth," he said. Col. Hull was chief of surgery of the 142nd. His unit went to New Zealand, then to the Fiji Islands, which he said "was very bor-

ing. We got loads of casualties, but then we'd clean them up and have nothing to do." Col. Hull says the unit located itself between the good guys and the bad guys. "The artillery was behind us shooting over the hospital," he said. "It was encouraging to the guys who knew that if they got hit they would be taken care of quickly."

Most of the victims with extremity wounds lived, but Col. Hull said the prognosis was not good for head and chest injuries. During triage, he remembers giving "thumbs up" to the ones who had a chance to survive, and "thumbs down" to the others. "It was cold, but you could spend 30 minutes in surgery and save the life of someone with an extremity wound, or spend seven hours on a head wound and have him die," he said.

Eventually, Col. Hull and his unit ended up in India. In his three and one-half years, he said he didn't do as much surgery as he did at University. And when he came home, he met his three-year-old daughter who had never seen anything but pictures of her daddy.



Dr. George Yeager '29, Elizabeth Acton '43D and Harvey Yeager

As the remaining members of the two units met at Col. Yeager's house in May, Col. Yeager laughed and said many recalled touching memories—"and the rest of us told a lot of lies."

Nancy Kercheval

Dr. and Mrs. King Seegar '37



Class Notes

1936

Gibson J. Wells of Baltimore is recovering at home after two operations this summer. Gibby was greatly missed at Reunion this year and his many friends wish him well.

1937

William C. Humphries of Harrisonburg, VA retired in 1977 after 31 years of general surgery and moved from Front Royal, VA to St. Simon Island, GA where he assisted in surgery and was the medical director for two nursing homes. He soon discovered that the hospital in Brunswick, GA had a "miserable library." Dr. Humphries enlisted the help of **E.R. Jennings '46** and together they raised enough money to put the library in first class condition and hire a full time librarian. The facility, which was named the *William C. Humphries Learning Center*, is recognized as a tremendous asset in learning methods in Georgia. **Albert Steiner** of Owings Mills, MD is co-editor of a textbook on rhinology which was sponsored by the American Rhinologic Society entitled *The Collected Writings of Maurice H. Cottle, M.D.* A copy of the book was presented to Dr. Cyrus Blanchard, chairman emeritus of the department of otolaryngology at the University of Maryland.

1938

Stanley E. Bradley of Wynnewood, PA continues his visiting professorship in hepatology at the University of Berne in Switzerland and spends time each month at Columbia University, where he is a Samuel Bard Professor Emeritus of Medicine. He and his wife **Geraldine Powell Bradley, MD**, have one daughter who is an oncologist at the University of Pennsylvania. **Theodore E. Woodward** of Baltimore was recently honored by the American College of Physicians and by the Armed Forces Epidemiological Board when he was awarded the Distinguished Teacher Award and the Defense Award.

1943D

Alfred H. Dann is semi-retired and still practicing his

specialty of allergy/clinical immunology in Sacramento, CA. **J. Roy Guyther** of Mechanicsville, MD writes that, other than the continuation of his part-time faculty appointment as director of the family practice preceptorship program in the department of family medicine, he is retired.

1943M

Charles A. Neff of Lebanon, PA is retired, but volunteers his services to Philhaven Hospital where he lectures tour groups and conducts psychodrama. **Enrique Perez Santiago**, chairman of the board of the Program for Excellence in Government of Puerto Rico, was recognized for outstanding achievement in public service at the Fifth Talent Competition for Public Employees. Perez Santiago

was chancellor of the University of Puerto Rico Medical School and head of the Teacher's Hospital Clinical Laboratory for 28 years. He has written numerous scientific papers and won international recognition in the field of hematology.

1944

William H. Mosberg, Jr., of Baltimore, professor emeritus of neurosurgery at the University of Maryland School of Medicine and a past president of its hospital, has been named recipient of the



1992 Humanitarian Award by the American Association of Neurological Surgeons (AANS) for "dedication to mankind that has extended far beyond his surgical practice, bringing great benefit to others, recognition to the neurosurgical community and honour to himself." Dr. Mosberg is a past president (1975-1976) of the Medical Alumni Association. **Marjorie K. Pool** retired from pediatrics 13 years ago.

1947

John R. Smith, Jr. of Centreville, MD began his fifth term as president of Queen Anne's County Medical Society in January 1992.



Presentation of distinguished teacher award of the American College of Physicians to Dr. Theodore E. Woodward, '38 by College President Eugene A. Hildreth during Annual Convocation.

A Salute to Dr. Max Trubek '26

Dr. Max Trubek, a well-known New York internist and a loyal and generous alumnus of the School of Medicine, is retiring from active medical practice at the age of 93. Retirement is at the insistence of his daughter and not because of health problems. He states that "even with my retirement I plan to maintain my home and office unchanged, prepared to speak with friends and patients."

After completing his undergraduate education and the first year of medicine at the Johns Hopkins University, Dr. Trubek enrolled at the University of Maryland School of Medicine, graduating in 1926. Dr. Trubek completed two years of graduate training at New York's Bellevue Hospital, at that time considered one of the outstanding graduate medical education opportunities. For the next two years he was associated with the internationally known pathologist, Dr. Harrison Martland, noted for his description of cancer of the jaw in female workers at the Radium Corporation who pointed their brushes on their lips while painting luminous watch dials.

Following his association with Dr. Martland, Dr. Trubek went into private practice. He is presently in his 61st year of practice in the same professional building at 121 East 60th Street in New York City.

Dr. Trubek continued his association with Bellevue Hospital as a visiting physician and subsequently as professor of clinical medicine at New York University School of Medicine. Recently, he stated that "after 40 years at

Bellevue, now the Bellevue-like problems come to me." To honor Dr. Trubek on his 90th birthday, the staff and physician-alumni of Bellevue Hospital gave a wonderful party at the Yale Club in New York City. Then dean of the School of Medicine, I had the honor of making the principal address and presenting Dr. Trubek with a School of Medicine armchair.

Over the past few years Dr. Trubek has been almost an annual visitor to the UMAB campus. He has presented the Health Sciences Library with several of his valuable old medical books which are being maintained in the library's historical collection. Three years ago he set up a two-life unitrust (his and his daughter's) with appreciated securities, naming the School of Medicine the beneficiary. On several occasions he has expressed his pleasure in being able to make this gift to his alma mater.

Dr. Trubek has one child, his daughter Helen, and she is married to Dr. John Glenn, an ophthalmologist. They have two children, a son John, and a daughter, Jennifer.

Dr. Trubek is an outstanding physician who has contributed much to medicine in New York. He is an equally outstanding alumnus whose contributions to the School of Medicine are noteworthy and much appreciated.

John M. Dennis, MD '45

Dr. Dennis was dean of the School of Medicine, 1973-90.

1948

Joseph L. Aponte of San Juan, PR writes that he is very active in his practice of pediatric and adult allergies.

1949

Nathan Schnaper of Baltimore heads psychosocial services and is a professor of psychiatry and oncology at the University of Maryland Cancer Center and in March 1992 was chosen "Humanitarian of the Year" by the Mildred Mindell Cancer Foundation.

1950

Frank G. Kuehn of Lutherville, MD retired from his practice of internal medicine on June 30, 1991.

1951

Raymond L. Clemmens of Towson, MD sends the message that "there really is life after retirement." His pre-



scription for a successful one is "good health, a place to live and some food, companionship—somebody to love and something to do that makes you feel useful." Dr. Clemmens has held clinical positions and faculty appointments, has had two scientific

books and numerous papers published, served on myriad pediatric related boards and committees and was honored in 1975 by the American Pediatric Society, but he feels that his family has been his greatest achievement. He and his wife Jane have three children (Michael '81, Jeanne and James) and eight grandchildren.

1953

Hugh V. Firor of University Heights, OH, former head of pediatric surgery, has become chairman of general surgery at the Cleveland Clinic.

Louis C. Arp, Jr. of Moline, IL retired from general surgery in October 1990. He writes that he is looking forward to his 40-year class reunion next May.

1954

Marshall A. Simpson of Columbus, GA is practicing psychiatry for Liberty Health Care and administers to patients at the Martin Army Community Hospital at Fort Benning.

1955

Alvin W. Hecker of Glen Burnie, MD continues to be chief of the pediatric allergy clinic at St. Agnes Hospital in Catonsville.

For the first time ever, the School of Medicine has more women (83) than men (71) in its entering class. At 53%, this percentage is triple that of the mid-70s and a far cry from the 60s and earlier when there were often only two or three or no women per class. In 1958, although it wasn't unusual to have women medical students, it was almost unheard of to admit women—or men for that matter—who were in their mid-30s and parents of young children. Two such women were Dr. Phyllis Pullen and Dr. Lois Love, featured in *The Baltimore Sun* shortly before their 30th class reunion.

Barriers couldn't stop women doctors

When Phyllis K. Pullen and Lois H. Love graduated from the University of Maryland School of Medicine in 1962, they didn't realize they were marching in the vanguard of the women's movement. They just knew they wanted to be physicians.

Both were homemakers with school-age children and were years out of college when they fought their way



Phyllis K. Pullen

into medical school in 1958. "In those days, there were hardly any women in medical schools," Dr. Pullen said. "They wanted to be very sure we wanted to go to medical school and not just take the place of a man who would practice longer."

At Maryland, she said, they were interviewed by all five doctors on the admissions committee, "instead of the usual two."

But in the end, Maryland gambled on them—and won. Both women graduated in their 97-member class with highest honors and are still in

practice 30 years later. And they remain models for combining marriage and successful medical careers.

At graduation, Dr. Love was 41 and had two children. Dr. Pullen was 40, had three youngsters and later two more.

"We were the 'old ladies' of the class," said Dr. Pullen. They were also among the six magna cum laude graduates and among the five class members elected to Alpha Omega Alpha.

This year, the School of Medicine graduated 150 new physicians; among them, 55 women.

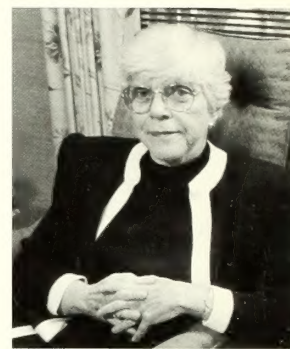
"I'm delighted," said Dr. Love, 70, a Baltimore psychiatrist. "It doesn't suffice for women to stay home any more, God bless 'em."

Dr. Pullen, 69, a self-described "country doctor," agreed. "I used to be against women's lib," she said. "I didn't think women should have careers outside the home—until after I did it."

Dr. Pullen combined her roles by opening her office in her 25-room, late-18th-century home in Jerusalem, on the Baltimore-Harford County line, where she holds regular office hours and patients sometimes have to step over a lounging dog. She still makes house calls, including at night. "I wanted to be a general practitioner. That's my idea of what it means to be a doctor—to take care of families from the time they're born until

they die. I still like doing it."

And for nearly three decades she has done just that, ministering to patients in the



Lois Love

rural area along the Gunpowder River. She has daily office hours and is part of a four-physician rotation on Sundays.

Of her career, Dr. Love said that "psychiatry just appealed to me, for a lot of reasons. It's a very rewarding specialty, intellectually very satisfying. I enjoy it very much."

At this point, the two doctors said they are "slowing down"; Dr. Love has discovered "the European lunch hour" and midday splashes in her backyard pool, while Dr. Pullen spends more time with her pets.

But Maryland's 1958 gamble continues to pay off: Both women said they have no plans to retire from practice.

Robert A. Erlandson

Adapted with permission from *The Baltimore Sun*.
Photos: *The Sun*, Mark Bugnasky
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1956

Clark Lamont Osteen of Savannah will retire from his practice of anesthesiology in December.

1960

Paul A. DeVore of Hyattsville, MD is the medical director of the Senior Life Care Assessment Program at Leland Memorial Hospital in Riverdale, MD. **Wilson A. Heefner** of Stockton, CA and Kaneohe, HI received a master of arts degree in history from the University of Hawaii in May 1992. He retired from his practice of pathology and nuclear medicine in 1988 and is beginning a second career as a military historian. Dr. Heefner is starting research on a monograph that will examine the drawdown of the U.S. Army that occurred between 1945 and 1950, and the near-disastrous results that this drawdown produced during the early days of the Korean War. **James A. Yates** of Camp Hill, PA was recently elected to the Lemogne Borough council for a four-year term.

1961

Anthony R. Boccuti of Towson, MD is retired from the Army with the rank of colonel.

1962

Louis C. Breschi of Baltimore County was installed as president of the Baltimore County Medical Association in January 1992. Dr. Breschi's specialty is surgery-urology and he is immediate past president of the Maryland Urologic Association. **Theodore Patterson** was one of 30 members of the Baltimore County Medical Association who received certificates of appreciation for their work with the Baltimore County schools. The physicians teamed up with the Baltimore County Bar Association and the teachers in Baltimore County in the nation's war on drugs and alcohol abuse.

1964

David M. Nichols, Jr. of Atlanta writes that before becoming medical director of the DeKalb Pain Management and Rehabilitation Center in 1980, he completed a residency in psychiatry at Emory University, a residency in radiology at the University of Maryland and a fellowship in chronic pain management.

1965

Allen H. Judman of Baltimore recently retired as captain, United States Naval Reserve.

1966

James W. Spence lives with his wife Juanita in Lakeland, FL.

1969

Sanders H. Berk of Washington, DC and his associate have opened a satellite office in Germantown, MD and continue to practice dermatology in Gaithersburg. **Ronald A. Katz** has been appointed clinical professor of dermatology at the George Washington University School of Medicine. **Arnold I. Levinson** of Wynnwood, PA was honored by the University of Pennsylvania when its School of Medicine awarded him the Leonard Berwick Memorial Teaching Award. Dr. Levinson is an associate professor of medicine and neurology at the University of Pennsylvania and Chief of Allergy and Immunology at the Philadelphia Veterans Administration Medical Center. He has written over 90 scientific papers and book chapters, lectured nationally at medical meetings and is a member of several medical advisory panels and scientific organizations. He is the father of three children, Karen, Rachel and Kenneth.

1971

Robert B. Greifinger of Dobbs Ferry, NY, deputy

commissioner of the New York State Department of Correction Services and chief medical officer, has been recognized by the National Awards Program of the American College of Physician Executives for authorship of an innovative paper entitled "Correctional System Takes Long-Range View of HIV in Inmates" which will be featured in the soon to be released book, *Innovations '92*. **Ben Tsun-Lin Ho** of Moraga, CA is now fully retired after 20 years of active duty in the Navy. During his naval ca-


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reer, he had five overseas deployments including Southeast Asia, Africa, the Middle East and the South Pacific. Dr. Ho was chief of ophthalmology on the USNS Mercy, the world's largest hospital ship and the senior ophthalmologist for forces during the operations Desert Shield and Desert Storm. He was awarded the Meritorious Service Medal for service in the Persian Gulf. Training search and rescue dogs and restoring antique cars keeps him busy in his retirement.

1972

William G. Armiger of Annapolis is the director of Chesapeake Plastic Surgery



Associates and has been elected governor at large of the American College of Surgeons, Maryland Chapter. Dr. Armiger

teaches part time at the University of Maryland School of Medicine and is an attending plastic surgeon at a number of hospitals in the Baltimore-Annapolis area. In March, he was featured on *Success Stories*, an ABC television program. **Nelson Hendler** of Stevenson, MD reports that the Mensana Clinic was cited in the January 27 issue of *Business Week* as one of the

top eight pain management facilities in the country. Dr. Hendler owns and directs the clinic.

1973

Joseph D. Jenci of Upper Makefield, NJ was recently included in a listing of "Doctor's Favorite Doctors" published in the April 1992 edition of *New Jersey Monthly Magazine*. Dr. Jenci had served as chair of Mercer Medical Center's department of obstetrics and gynecology from 1986-1990, is certified in microsurgery, advance colposcopy and laser surgery, and holds credentials in menopausal medicine. Recently he performed Mercer's first laparoscopic hysterectomy. **Barbara W. Siskind** of Columbia, MD joined the pediatric practice of **Edward H. Cahill '70** and Allan T. Leffler after practicing her specialty for 15-1/2 years at Fort Meade, MD for the Department of Defense. She and husband Bob have two daughters.

1975

Andrew B. Rudo of Owings Mills, MD is a psychiatrist who practices in Baltimore and has recently composed music for National Public Radio's *Morning Edition*. He and wife Carol are expecting their first child in September.

1976

Vincent W. DeLaGarza of Bowie, MD has retired from the Air Force with the rank of major. During 20 years of service, Dr. DeLaGarza lived in southeastern Turkey for 15 months where he was assigned to the 39th Tactical Air Hospital as director of primary care and held a faculty appointment as assistant professor at the Uniformed Services University of the Health Sciences in Bethesda, MD and the University of California, Davis. The Air Force decorated him many times.

1978

Susan M. Miller of Tampa, FL has recently been selected as a team doctor for the 1992 Para-Olympics in Barcelona, Spain by the United States Disabled Sports Team. This is Dr. Miller's third international trip as a member of the United States Medical Team. She is currently practicing at the Florida Orthopaedic Institute in Tampa where she is a partner. **Ellen L. Taylor** of Baltimore is the mother of four and maintains a solo private practice in gynecology.

1979

Louis F. Ortenzio, Jr. of Clarksburg, WV, and charter president of *Health Access*, was at the Democratic National Convention and re-

cently established a free clinic in Harrison County, WV. He and wife Sara have three children.

1980

Mehtap A. Aygun of Baltimore is busy planning her new downtown office which will open this fall. Her husband Cengiz, a radiation oncologist, recently opened his fifth office in the metropolitan Baltimore area. The Drs. Aygun will travel to Istanbul with their two children this summer. **Robert J. Ginsberg** of Burtonsville, MD apprises us that after completion of a residency in family practice at Shadyside Hospital in Pittsburgh, practicing with the Columbia Freestate Health System for six years and privately in Baltimore for an additional year, he will offer a full spectrum of primary care services for patients of all ages at his new family practice in Silver Spring. **Richard D. Huhn** of New Brunswick, NJ has been appointed associate director of the Clinical Research Center at the Robert Wood Johnson Medical School of the University of Medicine and Dentistry of New Jersey. His research interests are clinical pharmacology of cytokines, physiology of hematopoietic regulation, and bone marrow culture.

Sojourns



"Trains are transportation to most of us, but to Bill they are his life," read Dr. Bill Hakkarinen's 1970 yearbook entry.

"Hack 'n Slack"

There is a 1947 picture of Bill Hakkarinen and his mother. She's smiling at the camera. But the two-year-old's face is turned away from the camera and facing a train display.

The 1992 picture of Bill Hakkarinen, MD '70, is not much different.

In this one, he has the afternoon off as chairman of family practice at Franklin Square Hospital. But you won't find him on the golf course or at his favorite fishing hole.

No, Dr. Hakkarinen can be found at the B&O Museum

rail yard where he puts on his engineer's cap, safety glasses and steel-toed shoes and takes his rightful seat behind the throttle of a diesel-powered engine.

Ever since Dr. Hakkarinen was a little boy, taking long train trips from Washington to upper Michigan to visit his grandparents, he has had a fascination with trains. He and some buddies even commuted from Riverdale to Baltimore by train to attend classes at medical school.

Occasionally, he would eat lunch at the train station, and

then one night, as he was attending a Franklin Square function at the museum, his eye caught the brochure for volunteers. And there, on the list, was the job of engineer.

It took a year of schooling before he could take charge of his own engine. "At times it was more difficult than medical school," said Dr. Hakkarinen. "It was more rigid — the only way to do it is the railroad way."

But when it came time to take the throttle of the 1942 diesel electric train with a 600-horsepower engine that

reaches top speeds of 45 miles an hour, all the study was suddenly worth it.

Dr. Hakkarinen and his classmates were walking the track, memorizing the curves and bumps between the engine house and Mount Clare Mansion. "We walked three-quarters of the way out when I got paged," he remembers.

His instructor turned to him and nonchalantly said: "Bill, if you have to go back and call, take the train."

That evening he called his father-in-law and said: "Floyd, I can die tomorrow. I've done it all. There's nothing left."

A 48-year-old father of four, Dr. Hakkarinen says his family doesn't share his enthusiasm for trains. "They show a bemused tolerance," he admits.

As the man with the railroad moniker "Hack 'n Slack" climbs into the cab, he readies for a trip he makes at least two Sundays a month along the very first mile of track in the United States, dreaming about carrying a passenger whose ancestor bought the first ticket in 1830.

Nancy Kercheval

Sojourns

Do you have an unusual hobby, avocation, collection or experience to share? Write and tell us about it! Copies of clippings from other publications are fine, or just send a summary of a page or so. From time to time, we will select a submission and publish a story.

1981

Benjamin F. Calvo of New York City enters his second year as a surgical oncology fellow at Memorial Sloan Kettering Cancer Center. **William Z. Cohen** of Houston specializes in family medicine and was awarded a fellowship by the American Academy of Family Physicians in 1991. Since January 1992 he has been chief of staff at the Parkway Hospital in Houston.

1982

Barbara Woolf Reeve of Ellsworth, ME, who formerly directed the dual diagnosis unit at The Sheppard and Enoch Pratt Hospital in Baltimore, was recently named medical director by the Acadia Hospital in Bangor.

1983

Eric W. Scott of Evans, GA has been promoted to chief of neurosurgery at Eisenhower Army Medical Center.

1984

Eve E. Bruce of Baltimore recently became an associate of Chesapeake Plastic Surgery Associates for the practice of plastic, reconstructive, cosmetic, micro and hand surgery. Dr. Bruce completed a residency in plastic and reconstructive surgery at Herman Hospital, Houston, TX where she studied microvascular surgery, hand and burn reconstruction, and maxillofacial trauma. She is an attending plastic surgeon at a number of area hospitals.



1985

J. Stephen Dumler of Baltimore has been named an assistant professor of medicine and pathology at the School of Medicine. Dr.

Dumler returns to the school after serving an anatomic and laboratory medicine residency at the Johns Hopkins Hospital and a fellowship in infectious disease pathology and research at the University of Texas Medical Branch. Dr. Dumler, his wife Christie, and their daughter Anna welcomed a new member to their family on April 30, 1992 when daughter Mary Patricia was born. **Michael Riggleman** of Camp Hill, PA was recently appointed clinical professor at Penn State University School of Medicine and medical director at Love Memorial Clinic in Moorefield, WV.

1986

Karen Lavoie Starr and husband Michael have two sons, Matthew and Andrew. Matthew is a new arrival, born in May 1992.

1987

Allan Elliot Frankle of Boca Raton, FL is practicing as a board certified anesthesiologist at Boca Raton Community Hospital. He and wife Diane announce the arrival of a new pet pig "Hamlet!" **Vernita D. Hairston** of Baltimore has

just completed a neuromuscular fellowship at University of Pennsylvania and is now beginning a neurorehabilitation fellowship at the University of Maryland.

1988

Bradford M. Tepper of Garden City, NY completed a residency in psychiatry at the New York Hospital and is now a fellow in child and adolescent psychiatry at the Schneider Children's Hospital in New Hyde Park, NY. **Mark J. Titi** will begin practicing next July upon completion of a fellowship in child and adolescent psychiatry at the Johns Hopkins Hospital.

1989

Azar P. Dagher will be a fellow in neuroradiology at the Johns Hopkins Hospital next year. **Erin R. Drew** of Baltimore, MD will be joining the Baltimore pediatric practice of **Edward L. Perl '74** and associates in July.

Errata:

In the summer issue, Kathryn Colby '92 was incorrectly shown as going to Massachusetts Eye and Ear for a residency in orthopedics. She will actually train in ophthalmology.

The summer Class Notes erroneously described several Med Chi positions. Thomas E. Hunt, Jr. '54 is president elect of the Baltimore City Medical Society. Donald H. Dembo '55 is vice president of the Baltimore City Medical Society and a councilor for Med Chi. Gerald A. Hofkin '61 is

not on the Med Chi board. Paul Burgan '62 is a delegate and alternate councilor for Med Chi. Murray A. Kalish '73 is serving on the Baltimore City board of directors and is an alternate councilor for Med Chi. George Taler '75 is an alternate delegate to Med Chi. Beverly A. Collins '83 is a delegate to Med Chi, but her board membership is with the Baltimore City Society.

We regret the errors.

IN MEMORIAM

William M. Seabold '31
(Catonsville, MD 5/28/92)
interned at University Hospital and received further training in pediatrics at Children's Hospital in Boston. He then returned to Maryland to set up a private practice in Catonsville. He was very interested in neonatology, especially intravenous therapy and exchange transfusions for the treatment of Rh disorders. He was a member of the faculty of the School of Medicine and a staff member at University. In 1962 he was awarded a five year fellowship in adolescent medicine and child psychiatry. He belonged to many medical societies, especially those pertaining to adolescents and was a loyal and generous benefactor of the school. He is survived by a daughter, twin sons, ten grandchildren and one great grandson. His death was attributed to complications of Crohn's Disease, from which he suffered for the greater part of his life.

David H. Rosenfeld '33
(Falls Church, VA 2/20/91)
practiced in northwest Washington DC with Washington Radiology Associates until he retired in 1986. In his spare time, Dr. Rosenfeld enjoyed sailing. His daughter and son are among the survivors.

George Schochet '33
(Burlingame, CA (1/2/91)

John L. VanMetre '33
(Charles Town, WV 1/30/92)
served his internship at The University of Maryland Hospital and his residency at Franklin Square Hospital in Baltimore. His Charles Town practice spanned forty-three years. He was affiliated with Jefferson Memorial Hospital and established its first laboratory in 1936 where he gave the first blood transfusions in Jefferson County, WV. Beginning in 1946, he worked to raise funds for a new hospital and, after retirement in 1980, continued to raise funds for an addition to that facility. He is survived by two sons and a daughter.

Henry L. Rigdon '37
(Plains, GA)

Benjamin Isaacson '39
(Washington, DC 2/19/92)
interned at Gallinger Municipal Hospital in Washington, DC and served a residency at Alexandria Hospital. On the occasion of his 50th Reunion from medical school, at which time he was still practicing, Dr. Isaacson spoke of the satisfaction his medical career had afforded him, and his belief that medicine today is more exciting than ever. He

was a member of the D.C. Medical Society and the American Academy of Family Medicine. Survivors include his two sons, a daughter and six grandchildren.

Norval F. Kemp '41
(Manasquan Park, NJ 10/20/91).
Dr. Kemp was among the six students who received a Certificate of Honor when he graduated from medical school. He practiced internal medicine after interning at the University of Maryland Hospital and doing a residency at the Jersey City Medical Center in New Jersey. His deceased sister, Katharine Kemp, was an alumnus of 1948; his grandfather graduated in 1892. Among the survivors are two daughters, two sons, and two sisters.

Stephen Joseph Van Lill III '43 (Annapolis, MD 3/5/92)
was an instructor at the University of Maryland School of Medicine for 10 years after training. Dr. Van Lill moved to Annapolis in 1973 where he continued his practice. He became a member of the Annapolis Yacht Club and was active in its Paint and Powder Club. He retired from practice in 1983 and became very active in the United States Naval Academy's Sponsors Program, through which middies were offered a home away from home while they were at the academy. At the time of his

death, Dr. Van Lill's family received many condolences from Naval Academy graduates who had benefited from his guidance and friendship.

Edward P. Smith, Jr. '46 (N. Redington Beach, FL 7/9/89)

A. William Bertuch '60
(Higganum, CT 3/92). Following an internship at the Naval Hospital in Portsmouth, VA, a family medicine practice at the Naval Station Hospital in Naples, Italy, and a residency in ophthalmology at the Naval Hospital in Philadelphia, Dr. Bertuch practiced ophthalmology at a 600-bed United States Naval Hospital in Yokosuka, Japan. When the conflict in Viet Nam peaked, he helped care for the large flow of air-evacuated wounded, a supporting population of 10,000 American families, the Diplomatic Corps in Tokyo, and corporate personnel with military ties. Dr. Bertuch was a commander when he left the Navy in 1971 and began a practice of ophthalmology in Middletown, CT. He was a member of the Middlesex County Medical Society, the Connecticut State Medical Society and the American Academy of Ophthalmology. His wife survives him.

FACULTY NEWS

Frank M. Calia, MD, was named vice dean of the School of Medicine on July 1. Dr. Calia is responsible for curriculum development, coordination and evaluation of educational activities within the School of Medicine, including medical student education, allied health education, graduate medical education, and continuing medical education. In addition, his areas of responsibility include admissions, student affairs and curriculum management.

Maimon M. Cohen, MD, professor, ob/gyn and pediatrics, and chief, division of human genetics, School of Medicine, has been elected as the vice president of the American College of Medical Genetics to serve for a six-year term (through 1998). Additionally he serves on the Board of Directors of the College.

Elias G. Elias, MD/PhD, chief, surgical oncology program, department of surgery, apprises us that as a part of a study in the United States and Canada, the University of Maryland Medical System surgical oncology program has been funded to conduct a statewide breast cancer prevention trial by the National Institutes of Health.

Kevin S. Ferentz, MD, assistant professor of family medicine, has been awarded the American Academy of Family Physicians' Public Relations Award for his radio program "Sunday Rounds with Your Family Physician." The call-in medical program, which aired on WBJC-FM in Baltimore during last year, was co-hosted by Dr. Ferentz and John Stupek.

James P. G. Flynn, MD, has been named director of Corporate Rehabilitation Services for the University of Maryland Medical System. In his new position, Dr. Flynn will work to increase the referral base and develop new programs for the University of Maryland Rehabilitation Network. Prior to his appointment, Dr. Flynn completed a two-year term as director of the Maryland Institute for Emergency Medical Services Systems. He was also former chief executive officer and medical director of Montebello Rehabilitation Hospital.

John O. Meyerhoff, MD, assistant professor of medicine, School of Medicine, and chairman of the board of directors of Parents Anonymous of Maryland, recently received the Baltimore City Medical Society's 1991 Community Service Award, presented annually to a member of the society in recognition of outstanding community service.



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Meyerhoff was nominated by Parents Anonymous for the special contribution he has made to troubled children and families in Maryland. As chairman of the board of Parents Anonymous since 1986, Meyerhoff has led the agency's drive to strengthen families and prevent child abuse and neglect throughout the state.

Herbert L. Muncie Jr., MD, was appointed chairman of the department of family medicine in the University of Maryland School of Medicine on July 1. Dr. Muncie, an associate professor in the School of Medicine, was director of the department's clinical research division. Since 1988, he has been medical director of Deaton Hospital and Medical Center and coordinator of medical services for the University of Maryland Drug Treatment Center. Dr. Muncie is certified by the American Board of Family Practice and the American Society of Addictions Medicine.

John F. Wilber, MD, professor of medicine and head of the division of endocrinology, spoke on hypothyroidism at an educational forum in Boston, sponsored by the Thyroid Foundation of America, Inc. Dr. Wilber is past president of the American Thyroid Association. Barbara Bush, the keynote speaker at a lun-

COMING EVENTS

cheon honoring her, spoke about her experiences with Graves' disease.

Donald E. Wilson, MD, dean of the School of Medicine, participated in the "Women in Biomedical Careers: Dynamics of Change, Strategies for the 21st Century" workshop in June. He led a discussion on "But We've Always Done it Like This: Challenging the Current Structure." The National Institutes of Health, office of research on women's health, hosted the workshop in Bethesda.

Theodore E. Woodward, MD '38, professor emeritus of medicine at the School of Medicine, was recently awarded the American College of Physicians Distinguished Teacher Award. The award is given to masters of the American College of Physicians (ACP) who have demonstrated the ennobling qualities of great teachers and have achieved leadership in medical education. Dr. Woodward was professor and chairman of the department of medicine from 1954 to 1981. He was named professor of medicine emeritus in 1983.

Sunday, October 4

1:30 p.m.
Dedication Ceremony
Baltimore VA Medical Center
10 N. Greene St.
Baltimore

Monday, October 12

5:30-7:30 p.m.
Alumni Reception
American College of Surgeons
Intercontinental Hotel
New Orleans

Tuesday, October 13

Maryland Hospitality Reception
Honoring C. Earl Hill, MD
Candidate for AAFP vice president
San Diego Marriott Hotel
Point Loma (South Tower)
Following business sessions

Thursday, October 15

5-7 p.m.
Alumni Reception
American Academy of Family Practice
Marriott Hotel and Marina
San Diego

Friday, October 30

7-11 p.m.
Bull & Oyster Roast
MSTF Atrium

Thursday, January 7

5-7 p.m.
International buffet honoring sophomore medical students
Medical School Teaching Facility
Baltimore

Distinguished Lectures:

Thursday, October 15

Davidge Hall, 4 p.m.
The Inaugural Frieda B. Hildenbrand Lecture
Dana C. Hilt, MD
University of Maryland School of Medicine
Pathogenesis of Alzheimer's Disease

Friday, October 23

The Inaugural Jack Allen Kapland Lecture in Orthopedic Surgery

Monday, November 2

Davidge Hall, 4 p.m.
The 4th Daniel Nachsben Lecture
Robert S. Zucker, PhD
University of California at Berkeley
Calcium and Transmitter Release at Nerve Terminals

Wednesday, November 18

Davidge Hall, 4 p.m.
The 4th Taylor Lecture
Gary J. Tucker, MD
University of Washington in Seattle
Masquerading Illnesses: Psychiatric or Neurological

Monday, December 7

Davidge Hall, 5 p.m.
The 36th Maurice C. Pincoffs Lecture
Louis R. Caplan, MD '62
Occlusive Disease of the Posterior Circulation of the Brain - Lessons for the Future

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Dear Dr. Keys,

Davidge Hall was really interesting. The thing I liked the best was the dead person. It was really nice of you to take your time to give us a tour of Davidge Hall.

Sincerely,

Elizabeth Levine

Dear Dr. Daddy,

Thank you for letting the third grade have a tour of Davidge Hall. I liked the part when we went down the spiral stair case. I can't see how you could fit 1,000 people in the medical hall.

Thank you,
Rebecca Keys

P.S. Did you bring me something from the ball game?

Dear Dr. Keys,

I really liked Davidge Hall. The best part was the glasses exhibit. It was really neat. I also liked the life wash glass exhibit. I also enjoyed the slide show. Thank you for the pamphlets.

Sincerely,
Jeremy Wolff

School Days, Davidge Daze

When 9-year-old Rebecca Keys decided it was time to brush up on the history of medicine, her dad, Bill Keys, MD '88, was happy to oblige. Accompanied by 48 third-graders and their teachers from Solomon Schecter Day School, Dr. Keys escorted Rebecca on a tour of Davidge Hall—the home office of the Medical Alumni Association and the nation's oldest medical school building still in continuous use.

If those two facts about the 180-year-old Davidge Hall failed to pique a 9-year-old imagination, then its treasures, quirks and tall tales made up for it.

Dr. Keys' entourage trekked up and down the spiral staircase, peering at secret passageways where 19th century medical students could escape angry mobs protesting cadaver dissections. The students saw a slide show and toured exhibits of anatomical drawings, medical instruments, glasses and eye cups.

"Davidge Hall was pretty, neat, big and real fun," wrote Shira Avigdor later that day. "Anatomy Hall was neat with the huge chandelier hanging over us," added Jamie Surosky.

But the hands-down star of the show was the 50-year-old cadaver. "It was the spookiest thing of my life," wrote Andrea Brem. "The

dead bodies were kinda gross," said Joseph Cohen, "but I liked them anyhow." Dr. Keys said the school was cautious at first about discussing the cadaver, trying to protect delicate young psyches. But when news leaked to the

**It was the
spookiest thing
of my life**

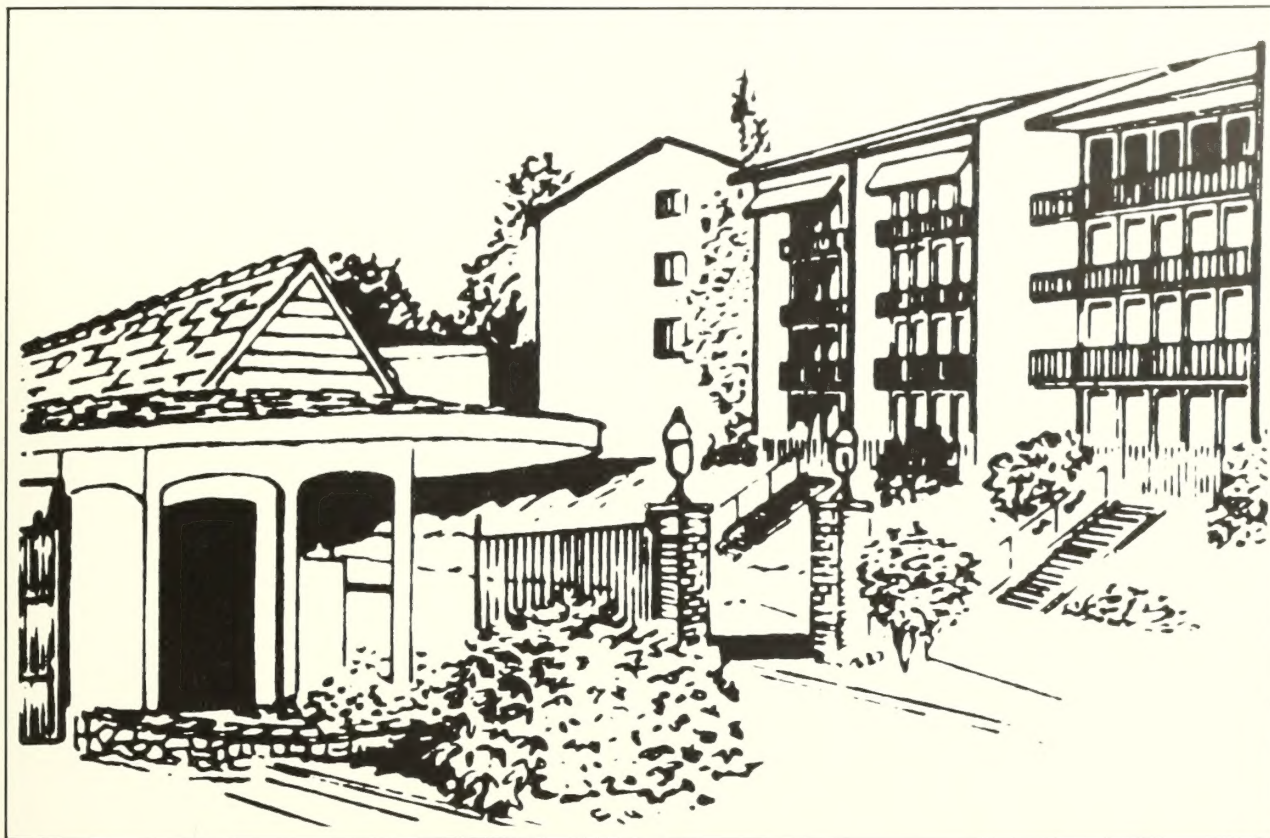
kids that there was a "dead body" and they may not get to see it, "there was a mini-revolt," said Dr. Keys.

Dr. Keys' own favorite Davidge experience was speaking to the children in Anatomy Hall—where the mysterious acoustics allowed him to be heard perfectly if he stood in the dead center of the room on Lafayette's plaque, but not heard at all if he stood anywhere else.

"Davidge Hall is a very special hall—a little gem that's not well known, even in our own medical community," says Dr. Keys, an attending physician on the Spinal Cord Unit of the Montebello Rehabilitation Center. "I enjoyed myself immensely."

M. L.

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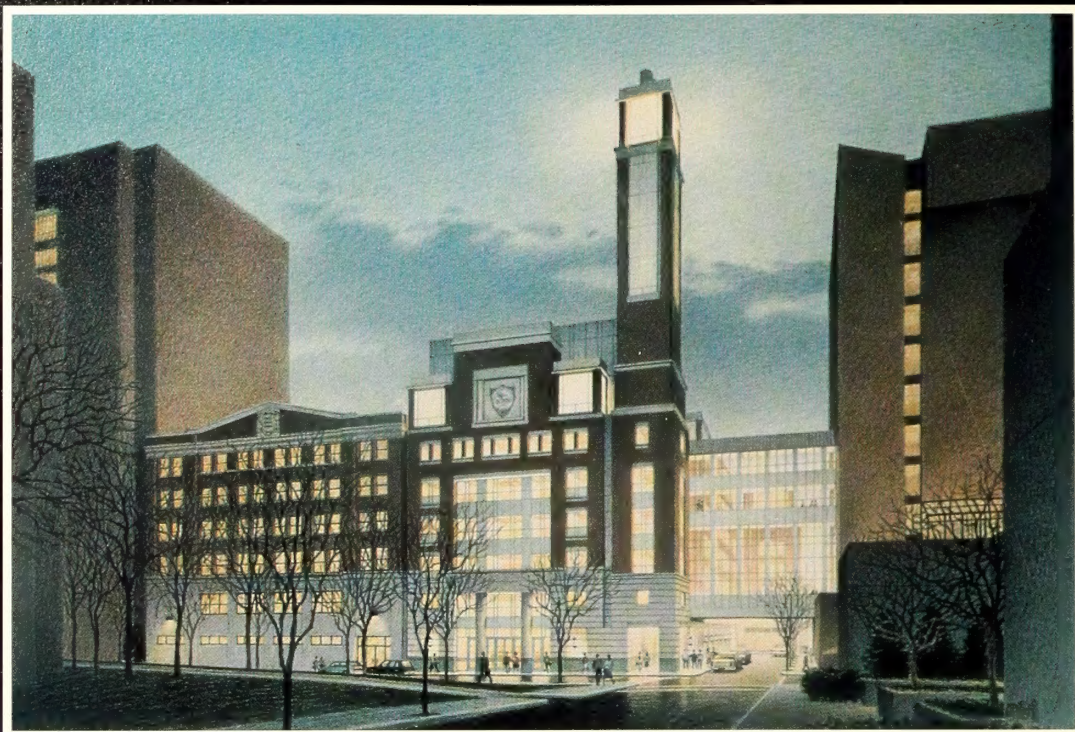
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(See page 2)

The Bulletin

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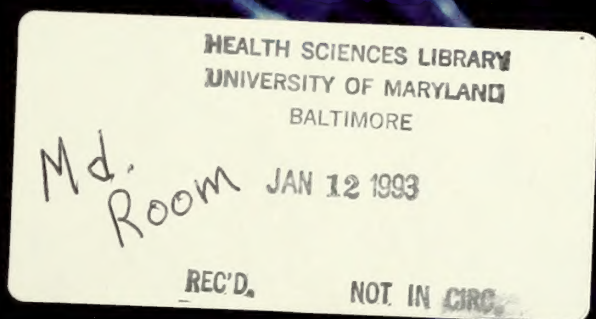


UNIVERSITY OF MARYLAND AT BALTIMORE

The Bulletin

MEDICAL ALUMNI ASSOCIATION ■ SCHOOL AND HOSPITAL ■ WINTER 1992, VOLUME 77, NO.3

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THE BULLETIN

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Easing the Pain

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University of Maryland Pain Center blends orthodox and alternative medicine

Chronic pain is one of the costliest health problems and the least understood. The UM Pain Center offers its patients the best of traditional methods integrated with procedures largely deemed "unconventional" by mainstream medicine--acupuncture, homeopathy and lifestyle changes.

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The Medical Alumni Association topped the \$1 million mark in its 1992 fundraising campaign. We thank our supporters for their generosity and dedication.

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Art Director/Kelly G. Parisi.

Contributor/Nancy Kercheval

Class Notes Editor/Pat Mallek.

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MESSAGE FROM THE DEAN

What a Year It Was!

September 1992 marked my first anniversary as dean of the University of Maryland School of Medicine. And what a year it was!

Early in 1991, when I accepted the position of dean, there were a multitude of positive factors that made this position one of the most attractive in the country. The school had attracted an excellent faculty and student body. The preceding year, annual research funding exceeded \$77 million and Maryland ranked 13th in NIH research funding among the nearly 80 allopathic state supported medical schools and 33rd among the total of 126 schools. Maryland also ranked No. 2 in the nation in annual percentage increase in NIH funding for all schools. I was well aware of the fact that although Maryland is a state school, direct state support of its programs, faculty and staff amounted to only about 15 percent of the overall medical school budget. Although the national economy was not doing particularly well, the state of Maryland seemed fiscally sound and the university and state had embarked upon a \$10 million enhancement of the medical school, with about \$6.5 million left to

be awarded over the next 3-4 years.

The time had come for the medical school to begin a major review and revision of its curriculum, in order to provide an educational process designed to better equip our graduates to meet the challenges of the 21st century. Under the leadership of the new president, Errol Reese, the campus was developing a vision that included maximizing the individual expression of each school's talents, while increasing interdisciplinary and interprofessional interactions among the schools. There was a desire to increase involvement with the local and regional communities and to develop an appreciation of the need to increase diversity on the campus. All of these factors fit in nicely with my own agenda.

The major problem facing the medical school was a shortage of space for research, for faculty and for classrooms. However, construction of a new Allied Health Building had been approved, development of a new biomedical research facility seemed imminent, and the building of a new health science facility that would provide 80,000 square feet of

new space seemed destined for approval. With the medical school enhancement funds, renovation of our old Howard Hall to provide both classroom space and new laboratories also seemed assured.

Within two weeks of my acceptance, the first budget cut occurred. We have endured 8 budget reductions since FY 91. Three of these occurred in the first two months of this fiscal year, and more are expected. In addition to not having state-funded salary increases for two years, most of us experienced a 4% pay cut through mandatory furloughs last year. The impact of the budget reductions for the School of Medicine, totaling nearly \$5.3 million from FY 91 to date, represents a 25% reduction in our state general funds.

What have we done during this past year, what will we do, how will we survive, what will happen to our programs and our dreams? What do I really think about this medical school now that I have been here one year?

One of the first things that we did when I became dean was to consider our vision. If we could fulfill our dreams, what would we like our school to be? What would serve as our guide during the



Donald E. Wilson, M.D., Dean

VISION

next 5-10 years? This process was an inclusive effort involving the chairs, faculty, students, staff and our constituency. We spent many hours debating our vision and it is presented in a table in this column. I would like to spend some time reviewing some parts of this vision with you.

Establish an innovative and responsive educational process

Our goal is to develop a problem-solving approach to medical education and, to the extent possible, do this in small teaching groups. In order to accomplish this, we must rely on our faculty's dedication to teaching, and we must utilize available technology and expertise. There will need to be a dramatic increase in the use of computer and information technology for our students to assimilate the new curriculum. I would like to see students have an opportunity to interact more with patients and spend time in patient surroundings early in their medical education. I would also like to expand the ethics and biomedical ethics courses. The ambulatory setting must also play a greater role in the education of our students. Students need to spend time dealing with the patient, as well as with the patient's ill-

ness. We will have to find the appropriate mix between inpatient and ambulatory education and we will have to think innovatively about what we mean when we say ambulatory. One anticipated outcome would be an increase in the number of young physicians entering a primary care discipline as a career choice.

We are now heavily engaged in curriculum review and hope to implement our initial changes within one to two years. A subcommittee has been appointed to come up with new and relevant offerings in continuing medical education. Their charge is not to tell us what they want to do, but instead to tell us what is needed in the health care community.

Develop partnerships to enhance the education and health of our local and regional communities

During the past year, I have learned that sometimes affectionately and sometimes not so affectionately, the state's executive and legislative branches, as well as the Greater Baltimore community, consider us to be their medical school. They look to us to provide leadership and assistance with their health care and biomedical education

The University of Maryland School of Medicine will achieve national eminence as an academic institution of excellence in undergraduate, graduate, postgraduate and continuing professional education; basic and clinical research; patient care; and responsiveness to its communities.

The School of Medicine will be recognized for its leadership in:

- **Establishing an innovative and responsive educational process.**
- **Developing interdisciplinary and other innovative approaches to medical education, research and patient care.**
- **Developing programs of excellence in research.**
- **Providing interprofessional education, by strengthening relationships between schools and campuses.**
- **Providing excellent patient care.**
- **Utilizing our unique position, as a state institution in an urban community, to develop partnerships to enhance the overall education and health of our local and regional communities.**
- **Developing and maintaining a faculty that is internationally acclaimed for excellence in scholarship, innovation and integrity.**
- **Increasing the number of underrepresented minority faculty and students through innovative recruitment, retention and development programs.**

needs. Not a week goes by that I do not receive an outside request, asking for medical school assistance or advice in ongoing or proposed programs. This provides us with both a tremendous opportunity and an enormous responsibility. The School of Medicine will continue to assume a strong leadership role in shaping health care delivery throughout the state, biomedical and science education in our local schools, and health education and preventive medicine programs throughout the state.

The medical school is currently engaged in dozens of community outreach programs. During my first year as dean, several community members asked me what we are doing in the community. A survey was conducted and a report issued. As you already know, the School of Medicine has trained nearly half the physicians currently practicing in Maryland, along with thousands of physical therapists and medical technicians. These are distinct and tangible contributions of the School of Medicine to the people of Maryland and the state's economy.

What you may not know is that, above and beyond our dedication to excellence in

teaching, research and clinical care, the School of Medicine and its students, residents, faculty and staff also work in other ways to carry out the school's commitment of service to the broader community. They volunteer their time and energy to helping others who are less fortunate; they serve on boards, task forces and committees of more than 300 community organizations and non-profit agencies; and they provide valuable technical expertise to the state, the City of Baltimore, and other local governments.

We also have the talent and opportunity to engage in first-rate health policy and health care research. I expect to see an increase in such relevant research at our school in the years to come. The School of Medicine and Duke University are the only medical schools to have been awarded two PORT (Patient Outcome Research Team) awards by the Agency for Healthcare Policy and Research.

Maintain an internationally acclaimed faculty

The heart of the School of Medicine is its students and faculty. Without an outstanding faculty, we will not be successful in recruiting the excellent student body that

we currently enjoy. Our growth in research funding to over \$90 million this year, is a testimony to their excellence. The medical school is committed to providing a support system that will allow us to recruit the best and brightest investigators and teachers available. Enhancing our graduate programs in the sciences is a vital component in establishing the optimal surroundings for academic inquiry. We are committed to developing a reward system that appropriately recognizes faculty for their excellence in teaching, as well as in research. It is essential that the faculty play an important role in the overall direction and activities of the school.

Increase under-represented minority students and faculty

Last year the AAMC launched "Project 3,000 By 2000" — an effort to nearly double the number of minorities enrolled in medical school by the turn of the century. I am a member of the Implementation Committee for this project, and our school will play a significant role in helping the AAMC reach this important goal. For example, we hosted a regional meeting of deans and representatives from 25

medical schools in October to discuss innovative ways to move this AAMC project forward.

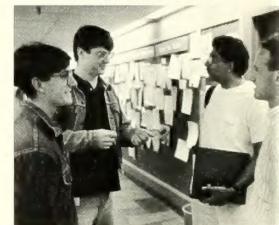
Strategic planning process

Several months ago we began our strategic planning process and expect to complete this phase of the process by January 1993. While we know our vision will guide us, realistically, we cannot achieve it all.

Thus the strategic planning process will allow us to determine how to best utilize our resources. We have reached out to our entire community in asking for input into this process. For us, strategic planning will be ongoing.

A very important part of our plans for the future was the realization that, as a medical school, we need to engage in major fund raising if we are to achieve our desired level of excellence. A plus over the past year has been the positive relationship that has developed between our School of Medicine and UMMS (formerly University Hospital).

The UMMS president Dr. Mort Rapoport and I continue to



adapt to the changing situations to best achieve our mutual goals.

Accordingly, we have joined with UMMS to form the University of Maryland Medical Center, and for the first time ever, as you are aware, launched a major fund-raising campaign to raise \$125 million over the next five years. The success of this campaign will determine whether or not we will be able to reach our curricular goals, provide renovated and well-equipped research space to attract faculty, develop state-of-the-art teaching facilities, etc. Again, I would like to invite each of you to join heartily in helping us reach our fund-raising goal.

What does the future hold?

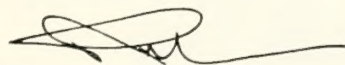
Notwithstanding our current fiscal problems, we have enjoyed a number of successes. This fall the School of Medicine has opened a new Allied Health Building, as well as a new biomedical research building. A groundbreaking celebration for the new University Hospital inpatient tower was held in October. And in January we will celebrate the groundbreaking of Phase I of our new Health Sciences Facility.

If we can hold our own, if the budget cuts cease, if there

is a return of enhancement money to the School of Medicine, if our capital campaign is successful, we should be able to renovate enough space to hold on to our faculty while waiting for the opening of HSF in 1995. I know these are a lot of "ifs."

Where does all this leave me? I want you all to know that this is still one of the best deanships in the country. I am glad I came to Maryland. Although we have not been able to sell our home in New York, my family has finally moved to Maryland. I look forward to the next decade here at the School of Medicine, and our opportunities and challenges, as we approach the 200th anniversary of the University of Maryland School of Medicine in the Year 2007.

I encourage your comments on our vision or any other aspects of the School of Medicine. Thank you for all you have done in the past and I look forward to seeing you and hearing from you.



Donald E. Wilson, M.D.
Dean

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Board of Visitors

University of Maryland School of Medicine

MISSION

Working in concert with the dean, the Board of Visitors at the School of Medicine serves as an advocate and advisor to the dean for the following reasons:

Strategic Planning - review and comment on strategic plans and tactics for attaining national eminence.

Resource Development - secure funding from the private and public sectors in support of the school's strategic plan.

Public Policy Research Coordination - advise the dean on national and regional health policy issues and research opportunities to be addressed by the School of Medicine.

Economic Development - bridge corporate and university interests to ensure optimum participation in economic development initiatives.

Community Outreach - enhance the school's ability to focus on and respond to the needs of the community.

COMPOSITION

Ten to twelve charter members with staggered terms to permit rotation. Membership to reflect the most senior levels of government and industry, both regionally and nationally. A total of four seats to be reserved for prominent alumni. The president of the Medical Alumni Association will serve as an ex-officio member.

NOMINATION PROCESS

Members may be proposed by board members, nominated by the dean, and approved by the board.

TERMS OF SERVICE

Limit of two consecutive terms of three (3) years' duration.

OFFICERS

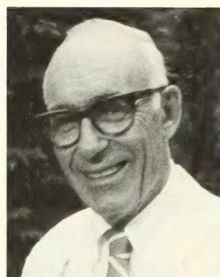
The board will elect a chair and other officers (if necessary). The dean will appoint an initial chair, pro tem.

COMMITTEES

Committees will be established as needed.

MEETINGS

Meetings will be called by the dean in consultation with the chairman of the board.



Morton David Bogdonoff, M.D.

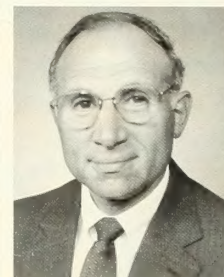
Much of Dr. Bogdonoff's esteemed career was spent at Duke University and Medical School, where he served as director of the Outpatient Program, Health Team Project and division of behavioral medicine, among other responsibilities. From there he moved on to the University of Illinois School of Medicine, where he was professor and chairman of the department of medicine. He eventually returned to his home state of New York, where he served as professor of medicine and executive associate dean at his alma mater, Cornell University Medical College. Dr. Bogdonoff has edited numerous journals and publications, and continues to perform that function for *Drug Therapy*, *Home Health Handbook* and *The Journal of the American Geriatrics Society*. He is currently a program consultant for the department of medicine, Catholic Medical Center of Brooklyn and Queens. Dr. Bogdonoff holds memberships in numerous societies, including the American Society for Clinical Investigation and the Association of American Physicians.



Edward J. Stemmler, M.D.

Dr. Stemmler is executive vice president of the Association of American Medical Colleges (AAMC),

an organization for which he has actively volunteered since 1976, serving as chairman of the assembly (its highest elected official) from 1986-87. Dr. Stemmler became dean of his alma mater, the University of Pennsylvania School of Medicine, in 1975 and served in that capacity until 1988. While there he established the school's Clinical Practices and Clinical Educator Faculty Line. In addition to his current position with AAMC, he serves as chairman of the National Board of Medical Examiners.



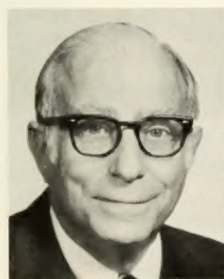
Philip Needleman, M.D.

Dr. Needleman is corporate vice president, research and development, and chief scientist for Monsanto, joining the company in 1989 after serving as an advisor to Monsanto's biosciences research programs for six years. Prior to that he was professor and department head of pharmacology at the Washington University School of Medicine in St. Louis. Dr. Needleman was elected a member of the National Academy of Sciences in 1987, and in 1988 received the Research Achievement Award of the American Heart Association for his distinguished work in cardiovascular research. He received his Ph.D. in pharmacology from the University of Maryland School of Medicine.



Roger J. Bulger, M.D.

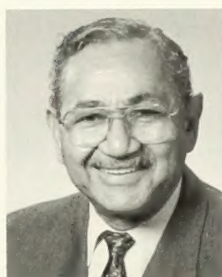
Dr. Bulger is currently president and chief executive officer of the Association of Academic Health Centers. Before his 1988 appointment, he served for 10 years as president of the University of Texas Health Science Center at Houston, professor of medicine at the University of Texas Medical School at Houston and professor of public health at the University of Texas School of Public Health at Houston. Earlier he served as the second dean of the University of Massachusetts School of Medicine and chancellor of the University of Massachusetts Medical Center Campus at Worcester. Dr. Bulger was the first executive officer of the Institute of Medicine and is still an active member of that organization.



Walter Sondheim, Jr.

Mr. Sondheim's name is in many ways synonymous with Baltimore's renaissance. He spent 40 years with Hochschild, Kohn & Company, a Baltimore retailing landmark, retiring as its senior vice president and treasurer in 1970. At that time, he began yet another career that would change the city's face forever: as vice-chairman and then chairman of Charles Center-Inner Harbor Management (now Center City-Inner Harbor Management), many of the

city's most significant revitalization projects, including Harborplace, came to fruition. His directorships, civic activities and awards are legion.



Raymond V. Haysbert, Sr.

Mr. Haysbert is the chairman and chief executive officer of H. G. Parks, Inc., known to Marylanders for generations as the Parks Sausage Company. He joined the company in 1952 after a seven year tenure on the Business Instruction Faculty of Central State University, and has spent the past 40 years shaping it into one of the most successful minority-run businesses in the country. President Bush acknowledged that accomplishment in September by presenting Mr. Haysbert with awards for Regional Minority Manufacturer of the Year and National Minority Entrepreneur of the Year. He had previously been honored locally as "Executive of the Year" by *Baltimore Magazine*.



Thomas E. Hunt, Jr., M.D.

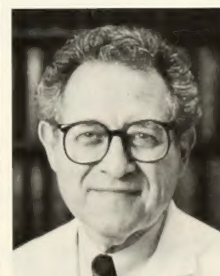
Dr. Hunt, a graduate of the University of Maryland School of Medicine, has come full circle: today, he serves as president of its Medical Alumni Association. In between, he engaged in the private practice of orthopedic surgery (which he

continues today). He also served as an instructor in orthopedic surgery for 21 years; assistant professor in orthopedic surgery for 13 years; and assistant professor, emeritus, in the same discipline, all at The Johns Hopkins University School of Medicine. Among his other activities, he serves as a consultant to the Stella Maris Hospice - Cardinal Sheehan Center for the Aging and as president-elect of the Baltimore City Medical Society.



Garland O. Williamson

Mr. Williamson is a Baltimore native who founded Information Control Systems (ICS) in 1976. He is currently chief executive officer of the computer and information management support services firm, providing census to commercial firms, federal and state governments. He volunteers his expertise to numerous organizations, including the Greater Baltimore Committee and Baltimore City Community College. Mr. Williamson was also appointed by the governor to the White House Conference on Small Business. His firm was a recipient of the Federal Executive Board's Minority Business of the Year award.



David M. Kipnis, MD.

Dr. Kipnis is a Baltimore native and graduate of the University of Maryland School of Medicine, also

serving as chief resident at University Hospital during his training. Since 1955 though, most of his many contributions to medicine have been made at the Washington University School of Medicine in St. Louis, where he was instrumental in guiding the department of medicine's development into one of the world's finest. He was also an architect of American biomedical research policy, as evidenced by his role in establishing Clinical Research Centers in the United States. After 19 years he stepped down as Busch Professor and chairman and is now a distinguished university professor of the school. Dr. Kipnis received an Honorary Doctor of Science from the University of Maryland in 1981.



James Frenkil, M.D.

Dr. Frenkil is yet another Baltimore son and graduate of the University of Maryland School of Medicine. He has devoted his long and illustrious career to the practice of industrial and occupational medicine. He was chairman of the Occupational Disease Board of the State of Maryland, a position he held for 30 years, during which time he was nominated for the Meritorious Service Award in Industrial Medicine. Dr. Frenkil is currently the director of Central Medical Centers and president emeritus of the University of Maryland Alumni Association. He also continues to serve as a consultant in occupational safety for Pan American Airlines around the world.

LETTERS

The TV CV

A few years ago, I sent you a biographical information sheet—or I thought I did. Actually, it was put in with the cable TV bill. They sent it back with a note saying that they enjoyed reading it. If you have any extra copies of those sheets in the future, send me two. Anything to keep that cable bill low.

Philip N. Massey '78
Centreville, Va.

Maryland Brain Collection

We would like to thank you for the thoughtful and thorough coverage of the Maryland Brain Collection in the Fall 1992 issue of *The Bulletin*. The cooperation of many individuals is necessary to make the Collection a success. While we feel the academic contributors received much attention, one other important contributing group was not mentioned: the families of the subjects in the Collection.

All the subjects are entered in the Collection only after consent of a family member or guardian is given. These families almost all further participate in extensive clinical interviews

about their deceased family member. The amount of clinical data we are able to collect distinguishes our study group from other national collection groups. Without the gracious endowment from the families of our subjects the Collection would not exist.

We would be most grateful if there would be a way to express our acknowledgement to these families in your publication.

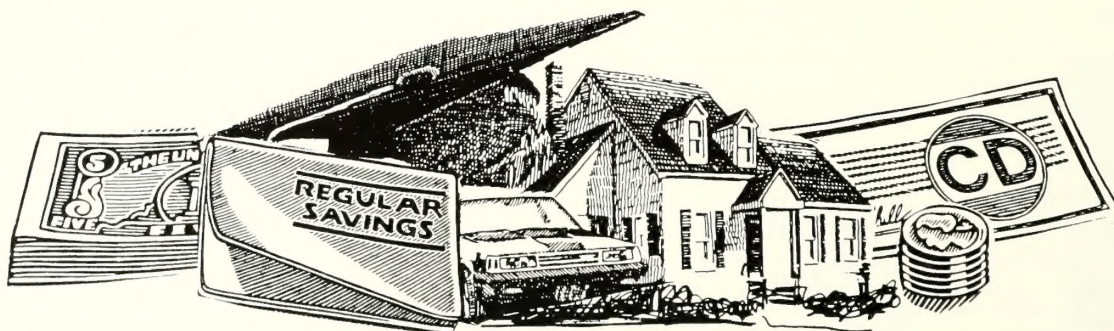
Robert R. Conley, M.D.
Co-Director
Maryland Brain Collection

John Smialek, M.D.
Chief Medical Examiner
State of Maryland



The editorial staff of The Bulletin is interested in hearing from you. Please send your comments on the magazine, its contents, or general topics concerning the School of Medicine, the Medical Alumni Association, or the Hospital to: Editor, The Bulletin, c/o Medical Alumni Association, 522 W. Lombard St., Baltimore, MD 21201.

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NEWS

Who's Who

Profile of the Class of '96

Over 3,500 candidates applied to the University of Maryland School of Medicine Class of '96. Of those, 154 matriculated, representing 66 colleges and universities.

For the first time ever, the entering class has more women than men—with 83 women (56 percent) and 71 men.

Maryland residents constitute 86 percent of the



class; African Americans, 11 percent; and other underrepresented minorities, 3 percent.

The average GPA was 3.5; average MCAT scores ranged from 9 to 10 (out of 15).

The average student is 23.2 years of age; the oldest, 43.

New VA Medical Center dedicated

The new Veterans Affairs Medical Center, adjacent to the University of Maryland Medical Center, hosted a day of dedication events on October 4. The ceremonies marked the completion of the 8-story, 324-bed hospital on Greene and Baltimore streets.

The pink-flecked granite building, designed by RTKL Associates, features a three-floor underground parking garage and two atriums rising six floors to glass skylights. More than aesthetic additions, the atriums are

part of an elaborate energy management system which will provide climate-controlled and cost-efficient cooling, heating and air flow. The system will make use of multiple energy sources, including solar energy and steam generated by a private contractor.

A bridge spans Baltimore Street and links the VA with the University of Maryland Medical Center. The connection offers advantages to everyone. "All of

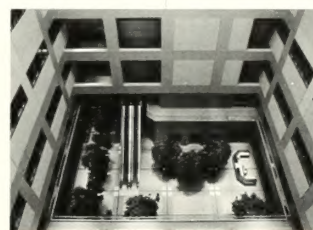
our capabilities and services are enhanced through the sharing of staff, equipment, increased educational opportunities and cost-sharing," said Robert

Mekelburg, director of operations of the UM Medical Center.

The new VA will house the first filmless radiology program in the U.S. Known as the picture archiving and communication system, it allows physicians in more than one division to simultaneously call up a patient's complete file on computer monitors.

The computerized file will have lab test results and diagnostic images that can be sent across the hall or across the country for consultations.

The move from the old buildings on Loch Raven Boulevard will take several months. Some staff and equipment are gradually moving in with the final transfer of patients scheduled for January 1993.



The design of the new Veterans Affairs Medical Center permits every patient to have a room with a window either overlooking the city or the plant and flower-filled atriums.

Who is the McDonogh student?

To describe a typical student would deny the philosophy at the heart of a McDonogh education: a commitment to challenge each individual to strive toward a "personal best," while respecting the unique contribution he or she brings to our diverse community.

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McDONOGH



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CHURCH HOSPITAL

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NEWS

School of Medicine names major gifts officer

Kenneth R. Harris, former executive vice president for the foundation and director of development of the Brooklyn Public Library, has been named senior major gifts officer for the University of Maryland School of Medicine. Harris will be responsible for creating, developing, implementing, and managing the cultivation and solicitation program of major gifts to support the School of Medicine and the medical school's component of the \$125 million, five year University of Maryland Medical Center campaign.

"I am delighted to have a proven fund-raising professional of the caliber of Ken Harris join the School of Medicine," says Dean Donald Wilson. "Ken will play a major role in advancing the mission of the medical school and helping the school gain the funding support that is essential for us to reach that next level of excellence."

Harris joined the Brooklyn Public Library in 1991 after working 15 years with the United Negro College Fund. As director of the Greater New York Campaign and a senior member of the National Fund-Raising Cabinet of UNCF, Harris was responsible for plan-

ning and implementing strategies that resulted in the successful achievement of the annual \$8 million campaign goal. He supervised, managed and directed a staff of 10 development professionals and oversaw a budget of \$700,000. In addition to these duties with UNCF, Harris held a concurrent position as director of major and deferred gifts, in which he successfully captured multi-million dollar gifts, trained field development staff, and oversaw related campaigns.

Before joining the UNCF in 1976, Harris was director of the development and public relations at the Dalton School, New York. He previously served as director of the NY Metropolitan Campaign and associate director of development of "A Better Chance, Inc.," as director of operations at Brooklyn Polytechnic Institute, and assistant agency manager for the Traveler's Insurance Agency.

He studied at the City College of New York from 1963 to 1965 and attended the College of Insurance from 1967 to 1972. He received a Chartered Life Underwriter (CLU) Certification.



NEWS

Strittmater named public affairs officer

Victoria Moulton Strittmater, former communications/public affairs director for the American Cancer Society, Maryland Division, Inc., has been named public affairs officer for the University of Maryland School of Medicine.

Strittmater will serve as the primary news media and public affairs contact for the School of Medicine, with responsibility for gathering

news and information from the campus, particularly the School of Medicine, to be used for news and feature stories in campus publications and in the general and specialized news media. She will also assist the school administration and leadership in establishing and implementing communications strategies, marketing priorities and development efforts.

Strittmater held a similar position at the American Can-

cer Society, joining the Maryland Division in 1989 as public information director. The position later evolved to include responsibilities as the division's legislative liaison. As such, she worked to mobilize grassroots involvement on issues related to tobacco use, access to mammography and cancer survivors' rights.

Prior to that, Strittmater was a consultant for The Forte Group, an Alexandria, Va.-based design firm. She is

a cum laude graduate of the College of Notre Dame of Maryland and has garnered several writing awards from the International Association of Business Communications, the Public Relations Society of American and the International Television and Video Association.



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UMMC receives grant for medical crisis counseling

The University of Maryland Medical Center has received a grant to provide psychological services for seriously ill patients and their families. The grant, from the Linda Pollin Foundation, will fund a medical professional to provide counseling and education and to look at whether these supportive psychological services have a positive impact on patients and their families.

The grant provides for a fellowship which this year will be administered by the department of psychiatry and carried out by a social worker in the University of Maryland Cancer Center (UMCC). Victoria Wilson, a licensed clinical

social worker at the UMCC, is the Linda Pollin Fellow for 1992-93. She will provide counseling services to patients with head and neck cancer and those receiving bone marrow transplants and their families.

The Linda Pollin Foundation was established 5 years ago by Abe and Irene Pollin in memory of their daughter Linda who died at age 16 after surgery for congenital heart disease. The foundation is dedicated to improving the availability and accessibility of counseling services for chronically ill patients and their families.

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Cholera vaccine shows promise

Two new studies of a genetically engineered single-dose, live oral cholera vaccine show it produces a potent immune response and causes minimal side effects. The studies are being released for the first time after more than 3,000 subjects—adults and children—have participated in placebo-controlled clinical studies of the new, live cholera vaccine in various countries worldwide, including the U.S.A.,

CVD103-HgR would make an excellent oral cholera vaccine for travelers.

Switzerland, Thailand, Peru, Chile and Costa Rica.

"The ability to elicit potent immune responses with the administration of just a single dose of an oral vaccine potentially heralds a new era in vaccine development," said Myron M. Levine, M.D., professor and director of the Center for Vaccine Development (CVD) at the University of Maryland School of Medicine.

The vaccine, called CVD 103-HgR, was developed in the Center for Vaccine Development using recombinant DNA technology by Levine

and by James B. Kaper, Ph.D., professor of medicine and chief of the bacterial genetics section of CVD.

The old cholera vaccine, which has been around for 100 years, consists of killed cholera bacteria that are inoculated into the arm. The old vaccine provides only partial protection for only a few months and thus is not considered useful as a public health tool.

In one study published in *The Lancet* (Sept. 19), CVD103-HgR was tested for its ability to trigger an immune response in 412 children in Jakarta, Indonesia. According to the study, up to 87 percent of the children given the CVD103-HgR vaccine showed a significant immune response to cholera, a bacteria that ravages many developing countries.

"Based on the highly encouraging results from various clinical trials, steps are being taken to initiate a large-scale field trial of efficacy of this vaccine in 60,000 subjects in Jakarta, Indonesia in collaboration with the Ministry of Health and the U.S. Naval Medical Research Unit-2," Levine said.

The study reported in *Lancet* was a collaboration



The Center for Vaccine Development's founder and director Dr. Myron M. Levine has supervised vaccine trials throughout the world.

between the University of Maryland School of Medicine; the Department of Child Health of University of Indonesia; the U.S. Naval Medical Research Unit-2 in Jakarta; Infectious Disease Hospital, North Jakarta; and Swiss Serum and Vaccine Institute, Bern, Switzerland.

In a report published in *Infection and Immunity*, Karen Kotloff, M.D., associate professor in the Center for Vaccine Development, and her colleagues studied 94 college students' reaction to the cholera vaccine, and found that the vaccine recipients did not suffer negative reaction any more than the recipients of the placebo during the seven-day follow-up. Ninety-seven percent of the students developed a significant immune response against

cholera, according to the study. "These data suggest that CVD103-HgR would make an excellent oral cholera vaccine for travelers," Kotloff said.

During the past few years, cholera has caused epidemic disease in many countries in sub-Saharan Africa and South and Southeast Asia. In 1991, cholera reached South America where it caused an explosive epidemic culminating in more than 350,000 cases and thousands of deaths.

For more information, call 410-706-7588 ■

Will race for AIDS cure lower research standards?

With people dying of AIDS each day, the public is pressuring scientists to cure the deadly disease quickly. This pressure for new AIDS treatments could lead to the lowering of clinical research standards and expose thousands of people to useless and dangerous treatments.

In the July 22 issue of *JAMA*, Paul D. Stolley, M.D., professor and chairman of epidemiology and preventive medicine and Tamar Lasky, Ph.D., research assistant professor, both of the UM School of Medicine, reviewed the parallels between today's search for new AIDS therapies and the early 20th century search for a cure for syphilis.

In the paper, Dr. Stolley used the case of Austrian psychiatrist, Julius Von Wagner-Jauregg who won the Nobel Prize for Medicine in 1927 for his method of "curing" neurosyphilis, to illustrate how medical science was conducted before clinical trial methods were developed.

Von Wagner-Jauregg developed malariotherapy whereby patients with syphilis were injected with live malaria or-

ganism. This subjected them to bouts of very high fever which was controlled with quinine. Wagner-Jauregg claimed that he had reversed the bad effects of neurosyphilis.

"Some patients died as a result of this therapy and even today, no one knows if malariotherapy cured neurosyphilis," Dr. Stolley said. "The advent of penicillin made this a moot question, but it illustrates the willingness of patients and doctors to adopt questionable treatments when cures are not available."

No randomized controlled trials of malariotherapy were carried out as the technique was unknown until the late 1930s. Currently, medical science understands the power and importance of properly conducting randomized controlled clinical trials, yet in the rush to get new AIDS treatments to market, there is a movement to bring us back to the era of malariotherapy where the ultimate benefits of the new treatments are never known ■

New HIV test for infants

A test to detect HIV-1 specific antibodies in urine may be a simple, reliable way to determine whether a newborn is infected with the virus.

In a letter published in *The Lancet*, University of Maryland School of Medicine researchers report that a new urine test developed by Calypso Biomedical Corp. can detect antibodies to HIV in newborns and may be predictive of infection as much as a year earlier than current blood tests.

"It is important to identify infants who are infected as

early as possible so that one or more of the available therapies can be initiated," said Gerald Cole, Ph.D., professor of microbiology and immunology in the University of Maryland School of Medicine. "Special equipment or training are not required and, because urine is not infectious like blood, the test is safer."

Dr. Cole said researchers tested the urine of babies during the first 4 months of life and then followed-up about 6 weeks later. "When both tests are positive, there is a high probability that the child is infected."

For more information, call 410-706-7112 ■

UM starts egg donor program

The University of Maryland School of Medicine In-Vitro Fertilization Program is starting an anonymous donor egg program. "An increasing number of our patients are having problems producing normal eggs," said Howard McClamrock, M.D., assistant professor of obstetrics and gynecology and director for assisted reproductive technology in the University of Maryland School of Medicine. "So we started this program to help this particular group of patients."

The IVF program is being run by the department's divi-

sion of reproductive endocrinology. The director of reproductive endocrinology is Eli Y. Adashi, M.D.

Interested donors or recipient's should contact an IVF nurse coordinator at 410/328-2304 ■

The *Advances* section is compiled with thanks to the public affairs officers of UMAB (410-706-7820) and UMMC (410-328-6776):

Jill Bloom, Quincey Johnson
Chris Evans, Ellen Beth Levitt

98.6—Normal or Not?

A body temperature of 98.6 F should no longer be considered the norm, according to a study published in the September 1992 *JAMA*.

In the first large study of normal body temperatures since the mid-1800s, physicians at the Baltimore Veterans Affairs Medical Center and the University of Maryland Medical Center (UMMC) have found the average body temperature to be 98.2F.

"Our conclusion is that 98.6F is no different from any other temperature in the normal temperature range, which we found to be between 97F

Of the 700 temperatures analyzed, only 7 percent turned out to be 98.6F

and 99.9F," said **Philip A. Mackowiak, M.D.** '70, chief of medical service, VA Medical Center and professor and vice chairman, department of medicine, UMMC.

A normal body temperature for one individual may be different for another, says Dr. Mackowiak. "Therefore, we

believe that 98.6F should be abandoned as having special relevance for the normal body temperature."

The researchers looked at 700 oral temperature readings from 148 healthy people (122 men, 26 women) ages 18 to 40 years who were participating in studies at the Center for Vaccine Development in the School of Medicine. Oral temperatures were recorded one to four times a day for three consecutive days using an electronic digital thermometer.

Of the 700 temperatures analyzed, only 7 percent turned out to be 98.6F. "It was not the mean value. It was not the median value. It was not the most common overall, nor was it the most common at any particular time of the day," Dr. Mackowiak said.

The study also found a normal variation in temperature during the day that changes from person to person and that women ran slightly higher temperatures than men.

Dr. Mackowiak said he hopes the study results will prompt doctors and researchers to take a closer look at the definitions that are in common use for normal temperature and fever.

The study was funded by the Department of Veterans Affairs ■



Teenagers and violence

A new University of Maryland School of Medicine study shows that inner city youth are more frequently victims of violence, know victims, and witness more assaults, rapes, knifings and murders than do teens from upper-middle class backgrounds.

"Adolescents are exposed to a startling amount of violence," said Jack Gladstein, M.D., lead author in the study and assistant professor of pediatrics in the School of Medicine. "Although teenagers who live in the inner city experience more violence, such exposure also exists in other racial and socioeconomic environments."

The researchers surveyed 838 teens in medical clinics in Baltimore and Ocean City, Md. about their exposure to violence. In the study, published in *The Journal of Adolescent Medicine*, Gladstein

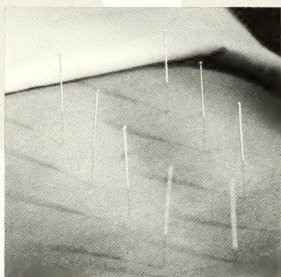
reported that more than 20 percent of the inner city males had been robbed or assaulted; about 10 percent of the inner city females had been raped; and 16 percent of inner city females had been threatened with rape.

While suburban teens did not report as high a rate of victimization, nevertheless about 10 percent of the females had been threatened with rape and 18 percent of the males reported that their lives had been threatened.

"Health care providers must be attuned to the potentially nonaccidental causes of injuries," Gladstein said. "Violence has been associated with depression, suicidal tendency, psychological distress, substance abuse and juvenile delinquency" ■

EASING

Ever since John suffered a back injury in an automobile accident two years ago, he has complained of a constant pain. There seems to be no physical problem to trigger his



distress, but to John, the pain is still real ▲ To ease his discomfort, his doctors placed him on narcotics to drive away the pain. That worked only to make him addicted to the painkiller ▲ As an addict, he becomes

erratic and loses his job—which drives a wedge between John and his family who are struggling to make ends meet

▲ Finally, John, still in pain, ends up in the office of Brian Berman, M.D. at the University of Maryland Pain Center ▲

John goes through one of the most unusual examinations he will probably ever undergo. Dr. Berman wants to know everything about the patient—his daily habits, his nutrition, his stress levels, and his addiction, as well as his physical problems.

BY NANCY KERCHEVAL

PHOTOGRAPHS BY CHARLES FREEMAN

And then, John learns about some new means of treatment—including acupuncture, homeopathy, nerve blocks, biofeedback and a change in diet and exercise patterns—that, with any luck, will wean him from the narcotics and get rid of the pain in the back.

John is typical of many patients who suffer from chronic pain, and finally end up in Dr. Berman's office after his condition has been dismissed by other physicians.

"The pain is very real," said Dr. Berman. "He's going from doctor to doctor to doctor. He's been told this is all in his head and then he starts to believe it is in his head. We too often separate the mind and the body."

Dr. Berman established the multidisciplinary Pain Center with a \$1 million gift from a former patient, Sir Maurice Laing. The goal is to establish the efficacy and scientific foundation for integrating certain unconventional techniques with orthodox medical care.

Dr. Berman calls chronic pain "a silent epidemic" that is one of the costliest health problems and least understood.

Pain falls under the chronic pain syndrome when the problem still exists six months after the onset. Tests to find physical causes usually are negative, yet narcotics often are prescribed to ease the pain.

"We don't deal with it well in orthodox care," said Dr. Berman. "We try to use the acute disease model for chronic pain. If we use that model—if we try to give them drugs and make them rest—it feeds into other problems."

Chronic pain calls for a rehabilitative model which teaches the patient to control the pain through various meth-

ods such as biofeedback, relaxation, nutrition or exercise. "We give them the tools to deal with the problem," he said. "The more active they become, the less dependent they are."

The first phase of Dr. Berman's five-year project was to establish the center at which he has gathered a multi-disciplinary team to treat patients with chronic pain. On staff are an acupuncturist, anesthesiologist, nurse, clinical psychologist, and family medicine practitioners.

The second phase involves educational activities to familiarize physicians with the concepts of unconventional medicine in the United States and United Kingdom. An international conference, sponsored by the Pain Center, is scheduled in May (see box below).

The third phase gets down to clinical and basic science research, currently being investigated by the National Institutes of Health which set aside \$2

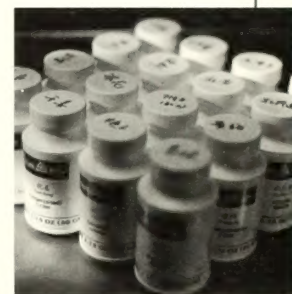


million for the investigation of unconventional medicine. It emphasizes how unorthodox methods of treatment work.

"During the last few years, there has been increasing recognition and use of unconventional medical practices for the diagnosis or treatment of various diseases or conditions including cancer, arthritis, anxiety and depression," said Dr. Bernadine Heathy, NIH director. "We have defined unconventional medical practices as those diagnostic or therapeutic techniques that are presently considered outside the mainstream of scientific research."

"Historically, great breakthroughs have come from those who eschewed convention and orthodoxy," Healy said.

Dr. Berman sees a movement afoot to promote the mingling of ortho-



UM to host international symposium on acupuncture

On May 6-9, 1993, leaders from the U.S., France, Canada and England will discuss issues and challenges in acupuncture research at the fifth annual symposium of the American Academy of Medical Acupuncture, co-sponsored by the University of Maryland School of Medicine.

The symposium, to be held at the Marriott Inner Harbor Hotel in Baltimore, will include workshops on the treatment of headache with acupuncture, acupuncture and immunology, different styles of acupuncture: trigger point and traditional Chinese medicine style, research in acupuncture: European, NIH perspectives. "This is an excellent opportunity for the beginner and advanced practitioner to be informed and updated on current trends and applications," says symposium co-host Brian Berman, M.D., director of the UMAB-Laing Complementary Medicine Project and assistant professor in the department of anesthesiology.

Plans are underway to offer this symposium for continuing medical education credit. For more information, contact Sharon Reichlyn at 410-328-0185.

dox medicine and unconventional methods. "We're bringing caring back into curing," he said. "We're blending the art of medicine and science."

Dr. Berman's patients must be willing to become involved in their own recovery. Some aren't ready to do that, and expect the doctor to fix everything and make it right. But that's the old rule of thumb which doesn't



**"Historically,
great breakthroughs
have come from
those who eschewed
convention and
orthodoxy."**

Dr. Bernadine Healy
Director,
National Institutes of Health

work at the Pain Center. Relief comes from those who are ready to participate.

But Dr. Berman understands the desire for a quick-fix. Many of his patients have suffered for years, and spent upwards to \$75,000 for medical help that has done little to erase the pain. His method for treatment requires six weeks of the patient's attention at a cost of about \$8,000.

"We start out with the premise that the person is hurting. Pain is subjective. Pain is what hurts. If we don't think we can help a person, we tell them," he said.

Treatment revolves around physical therapy, behavioral medicine, and anesthesiology, integrated with acupuncture, homeopathy and life style changes.

Homeopathy dates back to the 5th century when Hippocrates introduced the concept of using natural medicines to stimulate the body to heal itself. Natural sources that simulate symptoms of disease are used to cure the ailment. The natural remedies come from the vegetable kingdom, minerals and animals.

Acupuncture is the 3,000-year-old Chinese treatment grounded in the theory that the body's energy, or "chi," runs along pathways known as meridians. Blockages of these pathways cause disease. Therefore, the needles inserted in the skin along the pathways release endorphins in the brain. This chemical, in turn, minimizes pain.

Just as important as the physical treatments is behavioral medicine. Behavioral management stems from the research into the relationship between pain perception and psychological factors. Treatments include biofeedback, relaxation training, coping skills, stress management and family therapy.

In the end, Dr. Berman's patients have a handle on their pain and can control what ails them.

Dr. Berman turned his own medical attention toward these unorthodox treatments a decade ago. "However, I'm still thought of as a skeptic by the alternative medicine community. My role is one of an objective investigator of these methods," said Dr. Berman.

Yet, "we know in modern medicine we don't have all the answers," he said. "I think there may be answers in these alternatives."

Nancy Kercheval is a Baltimore-based free-lance writer.

Putting Pain to the Test

One in three Americans suffer chronic pain, ranging from backaches to the torment of cancer. Yet quantifying pain has long challenged physicians.

Nelson Hendler, M.D. '72, author of three books on chronic pain and director of the internationally recognized Mensana Clinic in Maryland's Greenspring Valley, has developed a test for assessing his patients' complaints.

Dr. Hendler's test, translated into nine languages and used in 150 clinics around the world, determines the validity of a patient's pain by questioning changes in life style before and after the pain was detected. "First, and most important, you can't measure pain," says Dr. Hendler. "What you measure is the impact pain has on someone's life. My test has a 94 percent hit rate."

Dr. Hendler's average patient suffers from pain that has kept him out of work for 4.9 years by the time he makes an appointment at the Mensana Clinic, listed among the top eight pain clinics in the nation by *BusinessWeek* magazine. Seventy-five percent of his patients come from outside Maryland with many traveling from points outside the United States.

Fifty percent of Dr. Hendler's patients require additional surgery, 35 percent can be managed with outpatient group therapy and medications, another 10 to 15 percent are sent to pain clinics where they are taught to live with their pain.

"Unorthodox" medicine, says Dr. Hendler, needs to be approached with an open mind. "In medicine, there is no such thing as 100 percent. I've seen patients get better with a chiropractor. I can't explain it," he said. "I've seen patients have improvement with a lot of these so-called esoteric drugs. It's an issue I can't explain. I don't want to use anything I don't understand, but I don't dismiss something just because I don't understand it."

Yet, until recently, chronic pain was treated strictly with orthodox medicine.

John Reeves, president of the American Pain Society, said patients should seek out clinics considered multidisciplinary. Pain clinics, such as Mensana and the University of Maryland Pain Center, have proved to be life savers for people suffering from chronic pain.

The interest in chronic pain has taken a new turn in the past five years, said Dr. Hendler. Physicians are taking a closer and more serious look with the aid of more sophisticated equipment that provides clearer views of the human body.

-N K

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PRESIDENT'S COLUMN



Thomas E. Hunt, Jr., M.D.

The Medical Alumni Association's fund raising efforts during Fiscal Year 1992 set a new record high: over half a million dollars in cash gifts and another half million in planned gifts. At the same time, however, the school has absorbed additional budget cuts; the total has been over \$6 million in the last two years. State support is now less than 10% of the school's budget. These figures are a real shock as I have personally always assumed that something over half was covered by state appropriations.

How can we—alumni and friends—help? The Medical Alumni Association Board of Directors has made every effort to reduce the association's expenses in order to pass on every available dollar to the school. In addition, a number of board members have made significant personal gift commitments to signal their support of both the Annual Giving Campaign and the five-year, \$125 million capital campaign launched last May.

As your president, I encourage you to increase your annual gifts through the asso-

ciation, but also to consider larger gifts that will enable the school to fund its critical priorities through the end of the century. Under Dean Wilson's dynamic leadership, the school's sights are set on a new level of excellence. But it is only through increased private philanthropy that the dean's goals can be met. Therefore, as you read through the Honor Roll of loyal donors which follows, please consider the role the school has played in your own life and consider acknowledging that role by increasing your giving.

Finally, thanks for each and every gift, large and small. Your devotion makes our job worthwhile!

Sincerely,

Thomas E. Hunt, Jr., M.D. '54
President

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Blanchard Lectureship	1,350	Human Dimensions in Medical Education Program	700
Bob McCaffrey Fund	13,270	Hyperbolic Medicine Research Fund	300
Buxton Lectureship	850	Isadore Tuerk Lectureship	910
Cancer Center	665	Jack Allen Kapland Lectureship in Orthopedic Surgery	1,000
Charles M. Henderson Memorial Fund	5,000	James Frenkil Fund	200
Child Psychiatry	50	Jay Whitman Memorial Fund	1,140
Children's Cancer Center	785	John D. Young, Jr. Fund	3,675
Class of 1935 Fund	750	John M. Dennis Chair in Radiology	15,281
Class of 1937 Fund	400	Joseph E. Whitley Memorial Fund	630
Class of 1954 Fund	625	Kenneth L. Malinow Memorial Fund	7,275
Class of '73 Alumni Adversity Fund	100	Learning Resources Center Fund	2,180
Davidge Hall Fund	10,355	Lois Young Memorial Fund	2,975
Dean's Discretionary Fund	12,800	Lois Young Minority Fund	3,150
Department of Anatomy	200	MAA Chair in Medical Education Fund	793
Department of Anesthesiology	163	Martin Helrich Chair in Anesthesiology	675
Department of Epidemiology and Preventive Medicine	350	McGrady Student Loan Fund	150
Department of Family Medicine	4,720	MD/PhD Program	900
Department of Medicine	1,530	Medical Alumni Student Scholarship	5,098
Department of Neurology	1,225	Merlis Lectureship	575
Department of Obstetrics and Gynecology	1,260	Myron Kenler Library Fund	25
Department of Ophthalmology	2,125	Nancy Kowalewski Memorial Fund	50
Department of Otolaryngology	610	Nataro Family Scholarship Fund	250
Department of Pathology	1,025	No Name Fund	1,775
Department of Pediatrics	2,885	Plastic Surgery Lectureship	2,025
Department of Pharmacology & Experimental Therapeutics	500	Puerto Rican Lectureship	775
Department of Psychiatry	1,235	Rowland Student Loan Fund	40
Department of Surgery	150	Sean Houlihan Fund	1,030
Division of Cardiology	250	Shock Trauma Center Fund	5,695
Division of Dermatology	5,940	Taylor Lectureship	100
Division of Internal Medicine	180	Teaching Lab Renovation-Howard Hall	3,623
Division of Neurosurgery	150	Theodore E. Woodward Fund	21,458
Division of Orthopedic Surgery	980	Thomas B. Connor Professorship	17,490
Division of Thoracic Surgery	1,450	Warren Chamberlain Memorial Fund	2,530
Doris & Sylvan Frieman Research Fund	200	Warres Lectureship	350
Dr. William Yudkoff Memorial Fund	1,250	Total Restricted	202,507
Elaine M. Otani Memorial Fund	150	Total Unrestricted	287,875
Finkelstein Lectureship	1,045	Gifts in Kind	2,267
Francis A. Borges Memorial Fund	550	Special Gifts	10,288
Frieda B. Hildenbrand Lectureship Fund	1,000	SUBTOTAL	\$502,937
F. Mason Sones Scholarship Fund	500	Planned Gifts	\$580,000
George Entwisle Lectureship Fund	200	Total gifts generated by Medical Alumni Association	\$1,082,937
Hall-Craggs Student Loan Fund	955		

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COMPARISON OF GRANTS AND CONTRACT AWARDS

BASIC SCIENCES

	FY1991-92	FY1990-91
Anatomy	\$ 861,527	\$ 959,288
Biochemistry	4,387,093	4,287,662
Biophysics	105,848	317,258
Microbiology/Immunology	3,185,293	3,022,337
Pharmacology/Experimental Therapeutics	2,775,708	3,250,880
Physiology	<u>4,735,234</u>	<u>3,849,325</u>
Subtotal Basic Sciences	\$16,050,703	\$15,686,750

CLINICAL SCIENCES

Anesthesiology	\$ 305,340	\$ 1,052,762
Diagnostic Radiology	142,276	143,351
Epidemiology/Preventive Medicine	4,995,813	4,856,799
Family Medicine	1,632,628	1,411,339
Medicine and Oncology	19,236,010	19,944,276
Neurology/Rehab Medicine	4,910,468	2,286,803
Ob/Gyn	1,754,482	1,736,798
Ophthalmology	1,875,138	613,720
Pathology	5,032,574	3,328,315
Pediatrics	13,135,099	10,726,121
Psychiatry	12,891,064	12,361,951
Radiation Oncology	619,610	206,644
Surgery	<u>1,579,459</u>	<u>1,901,069</u>
Subtotal Clinical Sciences	\$68,109,961	\$60,569,948
Other Programs	<u>698,915</u>	<u>1,237,041</u>
TOTALS	\$84,859,579	\$77,493,739

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Anne P. W. Denham '76
Terry P. Detrich '71
Michael L. DeVincentis '41
Andrew J. Devlin '52
Paul A. Devore '60
Craig A. Dickman '80
Ronald L. Diener '58
Samuel Diener '34
Andrew M. Diggs '52
John M. DiGrazia '82
Robert E. Dinker '63
Anthony DiPaula '41
Judith M. Dischel '72
Gerard D. Dobrzycki '67
Michael J. Dodd '73
William A. Dodd '38
Thomas C. Doerner '74
Salvatore R. Donohue '64
N. Edward Dorian '37
Donald D. Douglas '70
John J. Doyle '43D
Robert L. Doyle '64
Francis D. Drake '67
R. F. Draper, Jr. '72
Robert H. Dreher '34
Guy K. Driggs '46
Francis C. Drury '76
Albert H. Dudley III '75
William H. Dudley '61
Ellen Ann Duer '64
James E. Dunn II '60
Gilbert Duritz '67
Robert C. Duvall, Jr. '47
William Dvorine '55
Philip B. Dvoskin '66
Stephen K. Dyal '77
Perry A. Eagle '67
Gordon H. Earles '67
James L. Eavey '46
W. C. Ebeling III '44
Donna L. Eckert '81
Frederick T. Edmunds '50
Robert N. Egbert '70
Allen C. Egloff '68
L. J. Eglseder III '83
Daniel Ehrlich '43D
Paula Ehrlich '81
Arnold H. Eichert '38
Samuel E. Einhorn '35
Ken Eisenberger
Edward M. Eisenbrey '73
Jean M. Eisenbrey '73
Mosen M. Eldefrawi '85
Lee W. Elgin, Jr. '52
Jonathan S. Elias '82
Charles Gregory Elliott '73
Paul G. Ensor '62
Bahran Erfan
Richard J. Erickson '58
Joseph B. Esterson '69
James T. Estes '56
Harry S. Etter Jr. '77
James R. Evans '75
Sarah H. Evans '84
Harry L. Eye '53
Howard S. Faden '69
Judith Falloon '80
W. F. Falls, Jr. '59
Stanley N. Farb '58
Albert G. Fedalei '88
Steven A. Feig '71
James Feld '77
Harris J. Feldman '67
Richard J. Feldman '77
Michael J. Fellner '60
Charles K. Ferguson '51
Daniel P. Ferrick '81
Mr. Darwin J. Ferry
P. Hudson Fesche '65
Ms. Mary Jane Fetsch
Alan R. Figelman '73
Julio E. Figueroa '60
Jack Fine '52
Stuart L. Fine '66
Vincent J. Fiocco '57
Hugh V. Firor '53
Donald E. Fisher '47
Gary P. Fisher '70
George W. Fisher '47
Gregory H. Fisher '78
Mark F. Fisher '79
Michael J. Fisher '83
Richard E. Fisher '69
R. T. Fisher, Jr. '77
Charles T. Fitch '54
V. deP. Fitzpatrick '45
William & Annie Fitzpatrick
Frederick G. Flaccavento '81
Dino E. Flores
William G. Flowers '76
James P. G. Flynn
Wilbur H. Foard '44
Michael J. Foley '52
Paul D. Forney '75
Norman Forrest '54
Dwight N. Fortier '66
Daniel K. Foss '74
Karen S. Fountain '72

- Louis Fox '75
 Maury L. Fradkin '71
 J. M. France, Jr. '66
 William H. Frank '45
 Joshua Frankel '71
 Marshall Franklin '56
 J. Howard Franz '42
 Malcolm F. Freed '54
 Daniel Freedenburg Jr. '69
 James Frenkil '37
 Allen A. Frey '65
 Andrew P. Fridberg '78
 Marianne N. Fridberg '78
 Samuel D. Friedel '77
 Barry H. Friedman '69
 Marion Friedman '42
 Neil B. Friedman '83
 Joseph N. Friend '70
 George S. Fritz '54
 Mr. & Mrs. L.E. Fritz
 John G. Frizzera '68
 Edward D. Frohlich '56
 I. Phillips Frohman '37
 Edward & Lois Frost
 Richard L. Fruth '54
 Augustus H. Frye, Jr. '43D
 Peter C. Fuchs '63
 Rowland E. Fullilove '51
 Walter D. Gable '54
 W. A. Gakenheimer '47
 Philip J. Galitz '35
 Thomas K. Galvin '83
 James G. Gamble '75
 Raymond Gambrell III '68
 Francis Gardner '51
 Robert K. Gardner '47
 Darryl J. Garfinkel '72
 Leland M. Garrison '63
 Ralph B. Garrison '33
 Patrick F. Gartland '82
 John R. Gauld '55
 Donald W. Gauthier '57
 Ronald W. Geckler
 Sidney R. Gehlert '68
 Nancy Blades Geiler '51
 Julius Gelber '41
 Michelle Gelkin '81
 Alan I. Gelman '80
 Sidney Gelman '34
 William D. Gentry '46
 Linda L. George '77
 S. Bruce Gerber '66
 Alan S. Gertler '77
 John E. Gessner '54
 George Gevas '53
 John B. Gholl '84
 B. Robert Giangrandi '63
 Donna L. Gibbas '69
 Matthew J. Gibney '72
 Sheila S. Gibney '72
 Donald H. Gilden '63
 Marion H. Gillis, Jr. '36
 J. P. Gillotte '53
 Loretta A.K. Gilmore '57
 Joseph S. Gimbel '67
 Robert L. Gingell '64
 Milton Ginsberg '38
 Solomon E. Gittleman '32
 Austin E. Givens '45
 Alvin Glass '60
 Leonard W. Glass '61
 Irving V. Glick '40
 Louis M. Glick '54
 Ronald S. Glick '68
 Alan E. Gober '74
 Deborah L. Gofreed '80
 Anne C. Goldberg '77
 Neil D. Goldberg '77
 Nelson H. Goldberg '73
 Sylvan D. Goldberg '39
 Lewis J. Goldfine
 Marvin A. Goldiner '55
 Ronald Goldner '65
 Jewett Goldsmith '42
 Ralph S. Goldsmith '54
 Stanley Goldsmith '65
 William N. Goldstein '68
 Michael Golembieski '72
 Leonard H. Golombek '48
 Peter J. Golueke '80
 Augustin K. Gombart '66
 Carol M. Gonzalez '78
 Jay S. Goodman '61
 Mrs. Myrna Goodman
 Roy R. Goodman '69
 Christopher D. Gordon '76
 Lenita N. Gorrell '76
 Florence H. Gottdiener '38
 William M. Gould '65
 James R. Grabill '52
 George Thomas Grace '83
 Jose R. Gracia '67
 David E. Graham '52
 Walter R. Graham '40
 Bowie L. Grant '48
 Michael A. Grasso '70
 Cynthia L. Graves '78
 Harry W. Gray '49
 C. Edward Graybeal '52
 William R. Greco '52
 Gerald I. Green '68
 John G. Green '66
 Stephen B. Greenberg '70
 Frank P. Greene '58
 Duane L. Greenfield '46
 William Greifinger '36
 Edith M. Gribbin
 Dean H. Griffin '66
 George E. Groleau '82
 Edwin M. Grollman '76
 Robert B. Grossman '72
 Richard A. Gruen '78
 Ronald L. Gutberlet '61
 Robert M. Guthrie '74
 William W. Guthrie '44
 J. Roy Guyther '43D
 W. Lehman Guyton, Jr. '38
 F. Robert Haase '47
 Scott D. Hagaman '83
 William B. Hagan '43M
 J. J. Haggerty, Jr. '71
 Robert R. Hahn '47
 Norman Wm. Haines, Jr. '72
 W. D. Hakkarinen '70
 Louis S. Halikman '70
 Howard E. Hall '47
 Richard H. Hallock '78
 Leonard G. Hamberry '50
 James L. Hamby '67
 Charles J. Hammer '54
 A. F. Hammond, Jr. '57
 Paul K. Hanashiro '57
 Barry S. Handwerger '68
 R. L. Handwerger '65
 I. Rivers Hanson, Jr. '66
 Gary L. Hardegen '74
 Henry C. Hardin, Jr. '46
 John B. Harley '46
 Albin W. Harris '75
 Daniel B. Harris '55
 Dorris M. Harris '51
 Norman Harris '77
 William O. Harrison '66
 William M. Hart, Jr. '70
 David J. Hartig '78
 John F. Hartman '54
 James F. Hatch '74
 Frederick J. Hatem '51
 I. F. Hawkins, Jr. '62
 J. M. Hawkins, Jr. '66
 Marlene T. Hayman '77
 William M. Headley '54
 John C. Healy '50
 Robert F. Healy '34
 Calvin B. Hearne '47
 Albert F. Heck '58
 Alvin W. Hecker '55
 Charles A. Hefner '46
 Darvin L. Hege '75
 Leonard L. Heimoff '39
 Robert J. Heinen '80
 Colen C. Heinritz '62
 Alice Heisler '63
 John W. Heisse, Jr. '53
 Samuel H. Henck '61
 Col. & Mrs. C.B. Henderson
 Neil C. Henderson '56
 Malcolm S. Henschel '75
 John D. Hensala '60
 Stanley W. Henson, Jr. '50
 Walter R. Hepner III '76
 Geoffrey R. Herald '80
 Thomas F. Herbert '53
 Jerry Herbst '71
 David E. Herman '73
 Frederick S. Herold '65
 Lewis C. Herrold '35
 B. K. Hershfield '79
 Thomas M. Herskovic '69
 Webb S. Hersperger '56
 Charles F. Hess '53
 Harold J. Hettleman '57
 Philip W. Heuman '50
 Albert Heyman '40
 William J. Hicken '58
 Henry Booth Higman '55
 Paul C. Hiley '64
 C. Earl Hill '60
 Harry E. Hill '46
 Thomas M. Hill '66
 Terren M. Himelfarb '65
 Walter N. Himmler '55
 Howard M. Hirsch '70
 John C. Hisley '65
 Donald H. Hislop '70
 Charles F. Hoesch '75
 Jan M. Hoffman '79
 Michael C. Hoffman '76
 Gerald A. Hofkin '61
 Paul E. Hogsten '86
 Robert C. Holcombe '54
 W. F. Holdefer '57
 William Hollister Jr. '55
 William J. Holloway '48
 Richard G. Holz '61
 Alvin H. Honigman '43M
 Stephen L. Hooper '68
 Daniel Hope, Jr. '40
 Helen A. Horn '44
 Frances E. Hornbrook '43D
 B. Jeanne Horner '79
 Gwynne L. Horwits '71
 James F. Houghton '47
 Jan L. Houghton '80
 William H. Howard '63
 William L. Howard '34
 James I. Hudson
 Paul C. Hudson '55
 Virginia Huffer '50
 James L. Hughes '55
 Ralph T. Hummel '56
 William C. Humphries '37
 James S. Hunter, Jr. '41
 Maxwell Hurston '30
 Irvin Hyatt '52
 George F. Hyman '68

- John S. Ignatowski '67
Benjamin H. Inloes, Jr. '40
M. C. Insley, Jr. '48
Philip A. Insley, Jr. '63
Robert C. Irwin '59
Robert C. Irwin '42
Alfred E. Iwantsch '55
Stephan R. Izzi '79
Gary M. Jacobs '76
Howard T. Jacobs '81
Mark Jacobs '73
Charles M. Jaffe '74
Marc A. Jaffe '81
Christopher F. James '77
Herbert H. James '60
Walter E. James '55
Steven R. Jaskulsky '81
Michael F. Jaworski '73
Michael F. Jefferson '84
Jeffrey S. Jenkins '83
E. R. Jennings '46
Caroline C. Johnson '79
Kenneth P. Johnson
Mary Jo Johnson '83
B. Johnson-Bourland '65
Everett D. Jones '42
Henry A. Jones, Jr. '53
P. Dickson Jones '67
Richard A. Jones '54
Mary E. Jones-Lindsay '82
Charles E. Jordan III '67
Arnold J. Jules '63
Kenneth A. Jurist '80
Jorge O. Just '59
Werner E. Kaese '53
David J. Kahan '85
Ronald L. Kahn '77
Michael A. Kaliner '67
Murray A. Kalish '73
Elisabeth E. Kandel '67
James G. Kane '68
Dr. & Mrs. Young Kang
Albert V. Kanner '56
Howard R. Kanner '70
Murray M. Kappelman '55
Neil B. Kappelman '72
James W. Karesh '79
William N. Kam, Jr. '53
Ms. Elaine Karns
James R. Karns '40
Bernard S. Karpers '62
Reynold M. Karr, Jr. '69
Frank T. Kasik, Jr. '50
Ronald A. Katz '69
Leeds E. Katzen '64
R. H. Kaufman '48
James T. Keegan '55
Joseph F. Keeley '42
Dan F. Keeney '43D
Mrs. Beatrice Keiser
Richard H. Keller '58
Marian F. Kellner '80
Jacqueline Kelly '76
James M. Kelsh '58
G. C. Kempthorne '61
Ronald J. Kendig '77
Carl H. Kennedy '48
William F. Kennedy, Jr. '57
James P. Keogh '74
Eugene F. Kester '67
Wesley J. Ketz '34
Ronald E. Keyser '60
Henry Nai Kai Kiang '71
Thomas E. Kiester '54
Alan L. Kimmel '79
Louis E. Kimmel, Jr. '55
C. Herschel King '56
Daniel D. King '55
Francisco C. King '85
William A. King '63
David M. Kipnis '51
Marvin M. Kirsh '59
William S. Kiser '53
S. A. Klatsky '62
Allen Kleiman '43D
David S. Klein '80
Joel B. Klein '81
Frank M. Kline '52
Richard B. Kline '72
Edward S. Klohr, Jr. '54
Irving Klompus '35
Charles L. Knupp '76
Max D. Koenigsberg '79
Jerome Koepfel '70
Leonard L. Kogan '57
Schuyler G. Kohl '40
Paul A. Kohlhepp '62
Lawrence J. Koleshko '42
Richard J. Kolker '70
Laslo E. Kolta '74
Robert A. Konkol '77
James G. Konrad '67
Walter B. Koppel '73
Orly C. Korat '81
Carole S. Kornreich '74
Edward J. Kosnik '69
Roy A. Kottal '83
M. C. Kowalewski '75
Douglas L. Kozlowski '78
Joel A. Krackow '66
Thomas F. Krajewski '75
H. Coleman Kramer '56
Howard C. Kramer '51
Irving Kramer '52
John B. Kramer '71
Elliot S. Krames '71
William Kraut '59
David L. Kreisberg '76
Martin W. Krepp, Jr. '42
Scheldon Kress '56
John F. Kressler '70
Frank K. Kriz, Jr. '58
Ronald L. Krome '61
Violet S. Kron '55
Darryl B. Kurland '82
Leonard Kurland '45
Dennis J. Kutzer '75
Paul Ladenson
Susan L. Laessig '80
Joseph R. Lakowicz, Ph.D.
John A. Lampe '82
E. W. Lampton, Jr. '71
Louis J. Lancaster '56
Susan M. Lancelotta '84
Allan S. Land '65
Merric D. Landy '73
Richard C. Lang '59
Mrs. Ruth Langwell-Peck
Howard G. Lanham '74
Joseph G. Lanzi '56
George A. Lapes '67
Mrs. Erhla Lapinsky
Peter T. Lapinsky '80
John M. LaPoint '70
Herbert W. Lapp '52
David P. Largey '57
James P. Laster '57
C. V. Latimer, Jr. '43D
Gary M. Lattin '67
Carl P. Laughlin '56
Bennett L. Lavenstein '70
Sidney Laverson
Richard C. Lavy '60
George & Martha Lawrence
Barry A. Lazarus '68
Etta C. Leahy '42
Donald L. Leass '70
Reuben Leass '34
Benjamin Lee '53
C. D. Lee, Jr. '64
Mathew H. M. Lee '56
Michael M. Lee '67
Yu-Chen Lee
Robert B. Lehman '71
Jack Leibman '51
Robert E. Leibowitz '66
Richard F. Leighton '55
William H. Leitch '39
Daniel B. Lemen '45
Stephen K. Lemon '73
Sheldon H. Lerman '77
Louis W. Leskin '37
Walter C. Lesky '60
Bernard Leung '47
Richard J. Leung '81
Daniel M. Levin '58
Gordon L. Levin '68
Herbert J. Levin '54
Manuel Levin '34
Norman Levin '47
Richard L. Levin '57
Hilbert M. Levine '54
Stuart C. Levine '44
Maurice Levinsky '28
Mark B. Levinson '70
Barry E. Levy '76
Donald T. Lewers '64
Henry A. Lewis '70
Jack C. Lewis '59
Ms. Lorraine K. Lewis
Merrill B. Lewis '74
Richard Q. Lewis '43M
Thomas F. Lewis '50
Walter Lichtenberg '35
Michael S. Lifson '86
Bruce A. Lindberg '62
D. V. Lindenstruth '64
Eric E. Lindstrom '63
Alfred S. C. Ling '62
G. E. Linhardt, Jr. '78
Raymond J. Lipin '36
E. T. Lisansky '37
Geoffrey B. Liss '76
Arthur Litofsky '58
Abraham A. Litt '68
John B. Littleton '56
Philip Littman '68
William C. Livingood '40
Robert A. Loeb '77
William B. Long, Jr. '37
Rafael Longo '53
Mrs. V. Carole Loughheed
Lois H. Love '62
Rebecca Love '82
Irving R. Lowitz '42
Ruth E. Luddy '64
William Lynagh '85
Mrs. John Lynn
H. P. MacCubbin '40
Denis Wm. MacDonald '73
Dorothy K. MacFarlane '76
E. S. Machado '79
Francis K. Machata '47
Stephen Machiz '66
Richard H. Mack '67
Philip A. Mackowiak '70
Edmund J. MacLaughlin '75
Robert C. Macon '58
Kenneth G. Magee '63
Gerald N. Maggid '56
Robert Y. Maggin '80
Leonard T. Maholick '46
Jerome J. Mahoney '61
Charles J. Mailman '59
Lani Smith Majer '76
Stanford H. Malinow '68

- Thomas E. Malone '83
 Alan R. Malouf '85
 G. S. Malouf, Jr. '79
 Robert H. Malstrom '72
 Gordon L. Mandell '81
 L. O. J. Manganiello '42
 Stephan C. B. Mann '81
 A. R. Mansberger '47
 Thomas E. Mansfield '73
 Joseph B. Marcus '66
 C. B. Marek, Jr. '70
 John N. Margolis '80
 James E. Mark '76
 R. C. Marsella '79
 Carol S. Marshall '81
 Charles B. Marshall, Jr. '46
 Herbert A. Martello '60
 Craig R. Martin '79
 G. William Martin Jr. '50
 William P. Marwede '75
 Libero L. Marzella '74
 Judith A. Maslar '77
 William T. Mason '66
 Philip N. Massey '78
 David Bruce Matchar '80
 J. C. Matchar '43M
 Otto G. Matheke, Jr. '37
 Susan H. Mather '65
 William A. Mathews '52
 Robert D. Mathieson '76
 Michael L. Mattern '71
 Burton V. Matthews '48
 Roland D. Matthews '48
 Samuel O. Matz '81
 Stephen R. Matz '74
 Charles Mawhinney '54
 David L. McCann '71
 James F. McCarter '61
 C. W. McCluggage '69
 John R. McCormick '69
 Bruce R. McCurdy '79
 Michael E. McCutcheon '69
 Mark F. McDonnell '80
 Michael K. McEvoy '83
 Edgar V. McGinley '64
 John J. McGonigle '54
 Malcolm T. McGoogan '42
 John P. McGowan '55
 Mrs. Carolyn B. McGuire-Frenkil
 DeArmond J. McHenry '35
 David B. McIntyre '55
 John M. McIntyre '67
 Elmer S. McKay '59
 J. Nelson McKay '52
 James P. McKenna '80
 T. P. McLaughlin '80
 James & Margaret McManus
 James Jay McMillen '74
 J. R. McNinch, Jr. '45
 Wayne A. McWilliams '79
 Karl F. Mech, Jr. '68
 Roger Lee Mehl '61
 John J. Meli '42
 H. E. Mendelsohn '68
 C. R. Mendez-Bryan '65
 Ricardo Mendez-Bryan '51
 Abbe D. Mendlowitz '82
 John J. Merendino '58
 Wolfgang J. Mergner
 Arnold B. Merin '76
 Anthony L. Merlis '68
 James H. Mersey
 John J. Messina '60
 Jeffrey L. Metzner '75
 Stephen E. Metzner '74
 Paul D. Meyer '60
 Joseph P. Michalski '70
 E. B. Middleton '49
 J. G. Middleton '78
 K. Mikesell-Hornbein '68
 Thomas P. Miles '70
 Bruce L. Miller '68
 David C. Miller '81
 Edward M. Miller '75
 James W. Miller II '82
 Joel B. Miller '74
 John P. Miller III '77
 Louis W. Miller '67
 William S. Miller '39
 Bernard G. Milton '73
 Joel S. Mindel '64
 Robert V. Minervini '43M
 Donald W. Mintzer '44
 Edward B. Mishner '77
 Harvey S. Mishner '78
 Gregory A. Mitchell '72
 Alan H. Mitnick '67
 Thomas L. Moffatt '75
 Bettylou K. Mokriski
 Allan J. Monfried '66
 Russell R. Monroe '84
 Ronald P. Monsaert
 Ernest E. Moore '58
 Parry A. Moore '75
 John A. Moran '39
 Thomas P. Moran '80
 C. Hunter Moricle '39
 Edward L. Morris '75
 Frank H. Morris '75
 S. A. Taylor Morrow '44
 Leonard J. Morse '55
 Bert F. Morton '68
 John C. Morton '60
 W. H. Mosberg, Jr. '44
 Joseph D. Moser '72
 Richard P. Moser '76
 Benjamin B. Moses '36
 Thomas Moshang Jr. '62
 C. A. Mosley, Jr. '77
 Garry L. Mueller '83
 John G. Mueller '65
 Janet E. Mules '63
 Paul A. Mullan '57
 S. Edwin Muller '37
 O. Lee Mullis '69
 Herbert L. Muncie
 Jeremy S. Musher '78
 P. David Myerowitz '70
 Allen R. Myers '60
 Donald J. Myers '51
 G. Roger Myers, Jr. '40
 Philip Myers '37
 Roy A. M. Myers
 N. Edward Nachlas '47
 Robert Nadol '69
 Moses L. Nafzinger '54
 Conrad E. Nagle '72
 Sheryl E. Nagle
 Herbert H. Nasdor '57
 Jerome D. Nataro '46
 Hunter S. Neal '50
 Kathryn M. Neuman-Rudo '81
 Francis Neumayer '49
 George K. Nichols '79
 Pomeroy Nichols Jr. '46
 Morris J. Nicholson '36
 Julio T. Noguera '50
 James J. Nolan '41
 Jerrod Normanly '60
 Donald E. Novicki '67
 John F. Nowell '56
 Joseph J. Noya '54
 Jean M. C. O'Connor '54
 John M. O'Day '72
 Thomas R. O'Rourke, Jr. '62
 W. Bruce Obenshain '76
 Mr. Donald Obercht
 Fortune Odendhal '60
 Yeong Hwan Oh '79
 Marc Okun '81
 Francisco Oliveras '57
 Louis O. Olsen '65
 Barry E. L. Ominsky '66
 Charles R. Oppegard '57
 Jorge R. Ordóñez
 N. D. Orlando-Morris '75
 John S. Orth '51
 Keith D. Osborn '80
 William W. Osborne '44
 Arnold L. Oshinsky '75
 Clark Lamont Osteen '56
 Edward B. Ostroff '67
 Ole Ottesen
 David I. Otto '80
 H. Padilla-Ramirez '63
 Constantine J. Padussis, Jr. '73
 William M. Palmer '56
 Andrew V. Panagos '82
 Juan M. Pardo '70
 Jeffrey Pargament '74
 S. Malone Parham '45
 Arnold Zorel Paritzky '67
 Charles E. Parker '58
 Steven H. Parker '82
 Mark A. Parkhurst '79
 Wayne H. Parris '69
 Frank S. Parrot '43M
 David H. Patten '54
 L. J. Pazourek '61
 Murray D. Pearlman '76
 Frederick N. Pearson '69
 Michael E. Pelczar '65
 Richard H. Pembroke, Jr. '36
 Mario L. Penafiel
 Salvatore D. Pentecost '36
 Miguel Perez-Arzola '54
 A. Perez-Santiago '58
 Enrique Perez-Santiago '43M
 Stuart A. Perkal '63
 Edward L. Perl '74
 Daniel M. Perlman '82
 Lawrence Perlman '37
 Susan S. Perlstein '71
 Kathryn A. Peroutka '75
 Louis E. Perraut, Jr. '75
 Benton B. Perry '52
 Henry D. Perry, Jr. '51
 Robert E. Perry '82
 Mr. Joseph E. Peters
 Preston H. Peterson '43M
 M. R. Petriella '72
 Donald M. Pfeifer '69
 Sunday June Pickens '79
 Guillermo Pico-Santiago '40
 Ross Z. Pierpont '40
 Carl Pigman '36
 Walter J. Pijanowski '39
 Samuel Pillar '39
 William A. Pillsbury, Jr. '52
 Gregory N. Pinkerton '77
 Angelo & Gertrude Pinto
 Michael C. Pistole '77
 J. Jay Platt '48
 Marvin S. Platt '56
 S. Michael Plaut, Ph.D.
 Gary D. Plotnick '66
 Leslie P. Plotnick '70
 Richard L. Plumb '56
 Arthur L. Poffenbarger '59
 Jeffrey E. Poiley '65
 E. M. Poling '50
 George N. Polis '55
 Irvin P. Pollack '56
 R. B. Pollard, Jr. '70
 Thomas J. Porter '64

- Guy H. Posey '80
 Leonard Posner '40
 Albert M. Powell '48
 Gary C. Prada '78
 Michael F. Pratt '80
 Neal J. Prendergast '63
 Jay G. Prensky '78
 C. Downey Price '66
 Edward J. Prostic '70
 Richard M. Protzel '64
 Thaddeus E. Prout
 Phyllis K. Pullen '62
 Mr. & Mrs. C. Edmund Quarles
 Jeffrey L. Quartner '75
 Sandra D. L. Quartner '75
 James A. Quinlan '66
 E. F. Quinn III '69
 Jose D. Quinones '64
 Col. Dudley Allen Raine, Jr., '66
 Morris Rainess '54
 John J. Raleigh '57
 Kandallu R. Ramesh
 Louis L. Randall '57
 Louis N. Randall '74
 E. Burl Randolph '44
 Jonas R. Rapoport '52
 William Rapoport '57
 George C. Rasch '47
 Peter Rasmussen
 Cliff Ratliff Jr. '43D
 John C. Rawlins '46
 G. E. Reahl, Jr. '56
 Charles E. Reckson '64
 Jerome M. Reed '60
 Julian W. Reed '52
 Paul A. Reeder, Jr. '61
 Gary M. Regan
 Jerome P. Reichmister '64
 Michael J. Reilly '65
 R. W. Reindollar '75
 Milton Reisch '46
 Margaret B. Rennels '73
 Marshall L. Rennels, Ph.D.
 Steven H. Resnick '77
 Linda J. Rever '81
 Mark E. Richards '83
 Aubrey D. Richardson '51
 James P. Richardson '80
 Paul F. Richardson '50
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 Albin O. Kuhn II '76
 Dennis Kurgansky '86
 Dennis J. Kutzer '75
 Betty A. Kyser '87
 Joel S. Lahn '88
 Donald M. Lai '82
 Robert G. Lancaster '55
 Anne D. Lane '80
 Arnold F. Lavenstein '39
 Steve Laverson '83
 John G. Lavin '76
 Norman W. Lavy '55

Sol M. Lazow '27
 Herbert Leighton '53
 Franklin E. Leslie '41
 Mrs. Herbert Levickas
 Alan J. Levin '78
 Howard S. Levin '58
 Arnold I. Levinson '69
 Gary M. Levinson '73
 David A. Levy '54
 Susan M. Levy-Strohm '79
 Donald R. Lewis '85
 Frank R. Lewis '30
 Charles H. Lightbody '52
 J. A. Linder '89
 C. J. Lindgren '63
 Mrs. Elizabeth Linhardt
 Charles M. Linthicum '45
 W. R. Linthicum '71
 Joseph F. Lipira '47
 Edgar Jonathon Lisansky '77
 Mrs. Georgia Lizas
 Jeffrey S. Lobel '73
 Wolfgang E. Lohrmann '88
 Marion P. Lomonico, Jr. '86
 Andrew M. London '74
 Frank E. Long '75
 Timothy J. Low '79
 Thomas F. Lusby '41
 Linda L. Lutz
 Gary S. Lytle '67
 Martin Y. Magram '73
 Kevin O. Maher '91
 Jose M. Maisog '90
 Kenneth P. Malan '62
 Paul F. Malinda '87
 Michael J. Maloney '71
 Mrs. Eva Malouf
 Samuel J. Mangus '56
 Richard A. Marasa '80
 Karen C. Marcus '80
 G. Michael Maresca '87
 Mrs. Florence Marino
 Raymond L. Markley, Jr. '46
 Gail L. Marston '74
 Alfred R. Maryanov '40
 Jeffrey Scott Masin '91
 C.S. Mass
 A. Robert Masten '73
 Elizabeth Feeney-Masten '73
 E. Anne D. Mattern '47
 Lee Anne Matthews '91
 Mary E. Matthews '49
 Cynthia L. A. Mauterer '85
 David John Mauterer '85
 Robert E. May '46
 Mark S. McBride '85
 Jane C. McCaffrey '66
 Robert A. McCormick '62
 K. R. McGrady '51

Terrance P. McHugh '74
 W. Owen McMillan '32
 Eugene R. McNinch, Sr. '36
 Charles R. Medani '75
 Harriet L. Meier '73
 Alfred A. Meisels
 Dr. & Mrs. E. Menchavez
 Philip W. Mercer '59
 Dale R. Meyer '84
 Joy M. Meyer '89
 Ellis Mez '77
 France J. Michael
 L. R. Miles, Jr. '53
 Carole B. Miller '84
 Max J. Miller '49
 Michael S. Miller '76
 Susan Miller '78
 Eric Millman '89
 Scott A. Milsteen '86
 John S. Minkowski '77
 Mary Jo Ross Minton '88
 John A. Mitchell '46
 Judith A. Monroe '83
 Frederick Moomau '57
 John D. Moores '32
 Patrick & Mary Moriarty
 David R. Moseman '75
 Robert A. Moses '42
 Samuel Muher '64
 Thomas B. Mulford '87
 J. L. Murphy-Woo '87
 Henry Musnick '43M
 Robert G. Muth '56
 Robert J. Myerburg '61
 Mrs. J. David Nagle
 Jean Marie Naples '89
 Max Needleman '34
 Charles A. Neff '43M
 Harold M. Nelson
 Mrs. Mary A. Nelson
 Richard F. Neville, Jr. '83
 John L. Newman '82
 Timothy D. Nichols '87
 Margaret M. Nichols-Gallaher '83
 Peter N. Novalis '86
 Riva E. Novey '54
 Charles F. O'Donnell '44
 David A. O'Keeffe '85
 Allen J. O'Neill '45
 David G. Oelberg '78
 Harry A. Oken '83
 David W. Oldach '86
 M. B. A. Oldstone '61
 Stephanie L. Olsen '85
 Barry E. L. Ominsky '66
 Louis F. Ortenzio, Jr. '79
 H. Gerald Oster '63
 Walter F. Oster '61
 J. Rollin Otto, Jr. '59

David Owens '54
 A. Gibson Packard '54
 David W. Palmer '39
 Stanley M. Pamfilis '88
 Susan R. Panny '74
 Daniel P. Paoli '90
 John B. Parkerson, Jr. '83
 Benjamin Pasamanick '41
 Martin I. Passen '90
 Carl N. Patterson '44
 Patricia B. Patterson '85
 Susan Z. Pearl
 Steven H. Pearlman '79
 Lee R. Pennington '77
 Ms. Heather M. Perkin
 Catherine H. Perkins
 Rix D. Perkins
 Gerald P. Perman '77
 Joshua M. Perman '41
 David A. Perry '70
 Joseph P. Pestaner '90
 Donald David Pet '62
 John K. Petrakis '63
 Patrick C. Phelan, Jr. '42
 Jay A. Phillips '74
 William R. Platt '40
 Arthur E. Pollock '40
 Stephen M. Pomerantz '88
 David B. Posner '70
 Gary P. Posner '76
 Norman A. Poulsen
 Allan S. Pristoop '67
 Michael A. Rabovsky '81
 Merrill C. Raikes III '67
 Susan V. Raver '74
 Horace T. Ray, Jr. '63
 Mrs. Betty S. Read
 Mrs. Elizabeth Reardon
 William T. Reardon '34
 Gerald M. Rehert '70
 Neil E. Reichenberg
 J. Timothy Reid
 Susan L. Reimer '77
 Walter J. Revell '41
 George W. Rever '57
 Eugene B. Rex '51
 Ralph D. Reymond '67
 Georgia Reynolds '51
 David R. Richmond '69
 Conrad L. Richter '40
 Toby Ann Ritterhoff '86
 Howard N. Robinson '81
 Samuel Rochberg '39
 Donald M. Rocklin '71
 Timothy J. Rodgers '80
 Hector Rodriguez-Fernandez '63
 Roger & Madelyn
 Newton W. Rogers '72
 Joyce K. Roper

Dr. & Mrs. A. Roque
 Paul B. Rosenberg '85
 Samuel M. Rosenberg '84
 Isabel S. Rosenbloom '84
 Alfred B. Rosenstein '65
 Martin S. Rosenthal '72
 Jeffrey P. Ross '88
 Gail M. Royal '88
 M. H. Rubenstein '76
 Andrew B. Rudo '75
 Charles M. Ruland '88
 Edward J. Ruley '64
 Alfred J. Saah '73
 Hari C. Sachs '85
 Mrs. Wallace H. Sadowsky
 Mrs. Anis Saliba
 Aram M. Sarajian '38
 Walter C. Schaefer '68
 Lisa A. Scheinin '86
 Cornelius & Marie Scheve
 Mr. Arnold Schienberg
 Howard Wm. Schnaper '75
 Helen S. Schneider '85
 Ms. Silvia Schocket
 S. J. Schoenfelder '85
 Jonathan S. Schwab '86
 Benson C. Schwartz '48
 Martin L. Schwartz '84
 Stanley E. Schwartz '41
 Eric W. Scott '83
 Robert H. Seamon '77
 Andrew M. Seddon '85
 J. King B. E. Seegar, Jr. '37
 P. R. Seetharaman '87
 Joshua Seidel '37
 Howard Semins '68
 John P. Serlemitsos '84
 D.B. Shah
 S.N. Sharaf
 Ms. Mary K. Shaughnessy
 John H. Shaw '47
 Robert S. Shayne '78
 Joseph Shear '47
 James Douglas Shepperd '58
 Claude P. Sherman '39
 Elizabeth B. Sherman '26
 Richard H. Sherman '72
 S. Norman Sherry '51
 Abby Shevitz '85
 Deborah L. Shipman '79
 Karen L. Shore '85
 Martin J. Shuman '70
 Joshua Z. Sickel '84
 Madelyn J. Siegel '74
 Mr. Leonard A. Siems
 William Signor III '65
 Donald J. Silberman '38
 Benjamin K. Silverman '48

George Silverton '32
 Dana S. Simpler '84
 Bruce H. Sindler '77
 R. Kennedy Skipton '51
 Eric C. Sklarew '85
 Marvin L. Slate '31
 Andrew G. Smith, Ph.D.
 Mr. George F. Smith, Jr.
 Meredith P. Smith '49
 Richard M. Sneeringer '86
 Kevin L. Snyder '83
 Dina R. Sokal '81
 Aaron C. Sollod '32
 Lawrence F. Solomon '64
 Edward Timothy Souweine '78
 Alfred D. Sparks '83
 Ronald J. Spector '75
 Walter K. Spelsberg '44
 Carl Sperling '81
 Alexander Spock '55
 Ronald C. Sroka '75
 Robert R. Stahl '48
 W. E. Standiford '60
 Jay C. Starling '76
 Benjamin M. Stein '35
 Morris W. Steinberg '38
 Albert Steiner '37
 Laura L. Stephenson '82
 Gerald P. Sterner '73
 Edward W. Stevenson '49
 Robert B. Stifler '73
 Sarah A. Stitt '88
 Roger Marc Stone '87
 Robert E. Stoner '64
 Mary L. Stracke '79
 Susan T. Strahan '79
 Mark S. Sugar '69
 Maura J. Sughrue '79
 Michael E. Sulewski '85
 Granger G. Sutton '58
 Terry N. Talkin '75
 William G. Tan '84
 Paul A. Tarantino '87
 Robert W. Tarr '84
 Allen D. Tate, Jr. '48
 Mrs. Charles Taylor
 Mark A. Taylor '85
 Stuart B. Taylor '83
 Talmadge S. Thompson '43D
 R. M. Tilley Jr. '49
 Katherine D. Tobin '84
 Nevins W. Todd '57
 Alane B. Torf '88
 Dr. & Mrs. A. Torres
 Jose M. Torres-Gomez '43M
 Peter Wayne Townsend '84
 Ms. Emily Townshend
 Timothy C. Trageser '84
 Gene D. Trettin '49

Belk C. Troutman '52
 Elizabeth L. Tso '79
 Ms. Kathryn G. Tubman
 Stuart Wilson Tuggle '44
 Miriam C. Turner '72
 Kenneth W. Tuttle '62
 Rebecca R. Umbach '79
 Debra A. Vachon '84
 William A. Valente '74
 Stephen A. Valenti '78
 E. W. Van der Jagt '74
 Victoria A. Vanik '83
 James A. Vaughn, Jr. '46
 Sydney J. Venable '47
 Alexander N. Vennos '84
 Michael L. Viens '90
 Dr. & Mrs. R. Villanueva
 Robert J. Vissing '83
 Mark J. Vocci '86
 Henry & Alice Waddington
 Lester A. Wall, Jr. '41
 Eliot M. Wallack '72
 Barry S. Walters '76
 Susan E. Wandishin '87
 Robert G. Warnock '49
 William A. Warren '70
 Neil E. Warren '78
 Lewis C. Wasserman '84
 John L. Watters '52
 Dewitt L. Weatherly '63
 Deborah F. Weber '76
 William E. Weeks '40
 John H. Weigel '79
 Eric Weintraub '86
 Mrs. Anne Weir
 Stephen P. Weiss '87
 William A. Welton '54
 Irl Wentz '46
 Bertha B. White
 John P. White '47
 Katherine C. White '77
 Mr. Richard O. White
 Paul E. Whittaker '80
 John F. Wilber
 John R. Wilkinson '52
 David Reid Will '43D
 Ronald Jay Williams '89
 Gary N. Wilner '67
 Harry D. Wilson, Jr. '56
 Michael A. Wilson '88
 William C. Wimmer '65
 Michael W. Wingo '84
 Bruce C. Winnacott '76
 Mrs. Carolyn Winter
 C. L. Wiseman, Jr.
 Aron Wolf '63
 Arthur Wolpert '61
 Roman Wong '78
 Shelly W. Woodward '87

Call for Honor Award and Gold Key Nominations

The board of directors of the Medical Alumni Association invites alumni and friends to nominate colleagues for the 1993 award. Selection is based on "outstanding contributions to medicine and distinguished service to mankind." Factors considered in the selection process include: impact of accomplishments; local, state, national and international recognition; supporting letters; and publications.

Living recipients are:

Joseph Nataro '25
 Thomas B. Turner '25
 George H. Yeager '29
 Herbert Berger '32
 Benjamin M. Stein '35
 Stanley E. Bradley '38
 Theodore E. Woodward '38
 John Z. Bowers '38

Schuyler G. Kohl '40
 John D. Young '41
 Robert E. Wise '43
 Joseph R. Guyther '43D
 John M. Dennis '45
 Arlie R. Mansberger, Jr. '47
 David A. Kipnis '51
 Mario R. Garcia Palmieri '51
 William S. Kiser '53

Letters of nomination should be accompanied by a current curriculum vitae; letters of support may follow under separate cover, but all materials should be received by February 1, 1993.

Send all information to:

Aubrey Richardson, M.D., Chairman
 Awards Committee, Medical Alumni Association
 522 W. Lombard Street
 Baltimore, Maryland 21201

Barbara S. Woolf-Reeve '82
 Harriet H. Wooten '50
 Joseph B. Workman '46
 D. V. Woytowicz '87
 H. R. Wright, Jr. '79
 J.M. Yosuco
 Donald L. Young '60
 Erik B. Young '79
 Richard J. Zangara '77
 Arno L. Zaritsky '76
 E. Andrew Zepp '42
 Frank J. Zorick '67
 Gerald N. Zubkoff '79
 Carol A. Zuckerman
 Dolores Zuckerman

GIFTS IN KIND

Thomas E. Hunt, Jr. '54
 Walter M. Shaw, '57
 Thomas Templeton, '73

CORPORATE AND FOUNDATION GIFTS

Baltimore Gas & Electric
 BP America, Inc.
 Bristol Myers Squibb, Inc.
 Burroughs Wellcome Company
 C&P Telephone
 Chase Manhattan Corporation

IBM
 P.I.E. Mutual Insurance Company
 Philip Morris Companies, Inc.

HONOR AND HOMAGE GIFTS

Carolyn B. McGuire
 for Cecile & Edward Taubman
 Mrs. Lee L. Dopkin
 Gerson G. Eisenberg
 Nancy & Victor Frenkil
 for James Frenkil '37
 Susan Pearl
 Carol Zuckerman
 Doroles Zuckerman
 for Sidney Gelman
 Sara Gallaher
 for James P. Gallaher '51
 Harry C. Bowie '36
 Charles Davidson
 for James Kerns
 Samuel Glick '25
 for Adil Ali Kahn
 Schultze, Snider & Associates
 for Richard Taylor
 Harold G. Bell
 for Clifford L. Swap

THE CLASS RECORD

1925 2 gifts \$100 Average Gift \$50	1942 33 gifts \$5815 Average Gift \$176.21	1958 42 gifts \$10,690.05 Average Gift \$254.53	1975 71 gifts \$21,565 Average Gift \$303.73
1926 2 gifts \$600 Average Gift \$300	1943D 25 gifts \$3255 Average Gift \$130.20	1959 37 gifts \$12,645 Average Gift \$341.76	1976 62 gifts \$14,420 Average Gift \$232.58
1927 2 gifts \$75 Average Gift \$37.50	1943M 23 gifts \$3850 Average Gift \$167.39	1960 51 gifts \$18,970 Average Gift \$371.96	1977 67 gifts \$10,039 Average Gift \$149.84
1928 3 gifts \$1200 Average Gift \$400	1944 31 gifts \$3105 Average Gift \$100.16	1961 40 gifts \$11,218 Average Gift \$280.45	1978 57 gifts \$6,455 Average Gift \$113.25
1929 1 gift \$100 Average Gift \$100	1945 32 gifts \$8380 Average Gift \$261.88	1962 47 gifts \$9895 Average Gift \$210.53	1979 54 gifts \$4,987.50 Average Gift \$92.36
1930 5 gifts \$360 Average Gift \$72	1946 40 gifts \$10,320 Average Gift \$258	1963 38 gifts \$5320 Average Gift \$140	1980 61 gifts \$8,985 Average Gift \$147.30
1931 3 gifts \$225 Average Gift \$75	1947 37 gifts \$4505 Average Gift \$121.76	1964 44 gifts \$6480 Average Gift \$147.27	1981 47 gifts \$7,247.50 Average Gift \$154.20
1932 10 gifts \$775 Average Gift \$77.50	1948 23 gifts \$2165 Average Gift \$94.13	1965 50 gifts \$12,071.48 Average Gift \$241.43	1982 41 gifts \$3,610 Average Gift \$88.05
1933 3 gifts \$275 Average Gift \$91.67	1949 21 gifts \$4180 Average Gift \$199.05	1966 63 gifts \$21,845 Average Gift \$346.75	1983 50 gifts \$4,065 Average Gift \$81.30
1934 13 gifts \$1125 Average Gift \$86.54	1950 37 gifts \$6425 Average Gift \$173.65	1967 67 gifts \$15,555 Average Gift \$232.16	1984 40 gifts \$2,880.50 Average Gift \$72.01
1935 14 gifts \$1875 Average Gift \$133.93	1951 33 gifts \$5585 Average Gift \$169.24	1968 63 gifts \$22,080 Average Gift \$350.48	1985 41 gifts \$2,594 Average Gift \$63.27
1936 20 gifts \$2900 Average Gift \$145	1952 55 gifts \$9,165 Average Gift \$166.64	1969 61 gifts \$11,360 Average Gift \$186.23	1986 33 gifts \$3,595 Average Gift \$108.94
1937 21 gifts \$4605 Average Gift \$219.29	1953 36 gifts \$8020 Average Gift \$222.78	1970 74 gifts \$16,470 Average Gift \$222.57	1987 28 gifts \$1,020 Average Gift \$36.43
1938 20 gifts \$4175 Average Gift \$208.75	1954 58 gifts \$10,755 Average Gift \$185.43	1971 44 gifts \$6335 Average Gift \$143.98	1988 19 gifts \$565.00 Average Gift \$29.74
1939 25 gifts \$4610 Average Gift \$184.40	1955 55 gifts \$23,970 Average Gift \$435.82	1972 58 gifts \$10,040 Average Gift \$173.10	1989 14 gifts \$338.50 Average Gift \$24.18
1940 31 gifts \$4775 Average Gift \$153.39	1956 51 gifts \$9720 Average Gift \$190.59	1973 67 gifts \$15,769.50 Average Gift \$235.37	1990 11 gifts \$175 Average Gift \$15.91
1941 32 gifts \$2950 Average Gift \$92.19	1957 51 gifts \$17,800 Average Gift \$349.02	1974 54 gifts \$8945 Average Gift \$165.65	1991 8 gifts \$100 Average Gift \$12.50

Class Notes

1940

William S. M. Ling was chosen by the New York Chapter of the American College of Physicians to receive its New York Laureate Award on March 14, 1992.

1941

Charles P. Barnett of Easton, PA practices pathology part-time and keeps in shape by swimming a mile every day. Currently, he and his wife Martha are grandparents to 10, but that number will increase as their daughter is expecting triplets. **Franklin E. Leslie** of Towson, MD is retired but works at the Shepard's Clinic as a volunteer physician to people who haven't any medical insurance and do not qualify for Medicaid.

1943M

Robert Z. Berry of Baltimore looks forward to a good attendance next May when he and his classmates celebrate their 50th reunion. Dr. Berry's son Robert opened a veterinary office and hospital at Baltimore's South Side Market. **Samuel L. French** of Paducah, KY retired last May.

1943D

John J. Doyle of Rye Beach, NH is looking forward to his

50th reunion next spring.

Dan F. Keeney of Charlottesville, VA retired from full-time federal employment but does part-time psychiatric consultation for the Social Security Administration and the Arlington, VA court system. **Charles A. Kemper** of Chippewa Falls, WI is retired from practice except for locum tenens. **Irving Scherlis** of Stevenson, MD writes that his son Morris Scherlis '90 is doing a residency in anesthesiology at the University of Maryland.

1945

Joseph W. Baggett of Fayetteville, NC was recognized as "an outstanding physician with a very busy schedule," who has "always taken the opportunity and the time to make major contributions to the community" by Campbell University, from which he graduated in 1938. Dr. Baggett was one of three alumni chosen to receive its 1992-1993 Distinguished Alumnus Award. **Robert F. Byrne** of Wichita, KS practices internal medicine full-time and does some teaching. **Stanley R. Steinbach** of Baltimore retired last June.

1946

Thomas B. Connor of Baltimore writes that his daughter Kathryn will graduate from the University of Maryland

School of Medicine next spring. **Robert A. Riley, Jr.** of Annapolis is retired and spends his time traveling, reading and generally catching up.

1947

David K. Geddes of Santa Ana, CA found his 45th reunion to be enjoyable and notes that none of his classmates has changed much. **Joseph Shear** of Baltimore writes that he is still practicing but finds time to be class captain. Dr. Shear attributes the success of the 45th reunion to the good turnout. **A.R. Mansberger** of Augusta, GA is professor of surgery and chairman of surgery emeritus at the Medical College of Georgia where a Mansberger Chair has been established by the school.

1948

James Bisanar of Easton, MD practices part-time and is looking forward to his 45th reunion next spring. **John R. Hankins** has lived in Afghanistan since 1990 where he trains local physicians in plastic and chest surgery under the auspices of the International Assistance Program's relief project. **Carl H. Kennedy** of Fort Washington, PA works as a consultant in gynecology one-half day each week.

1949

C. Burnes Roehrig of Wellesley, MA edits the American Society of Internal Medicine's magazine and chairs the council on long-range planning and development of the American Medical Association. **John F. Strahan** of Towson, MD is a board member of Blue Cross/Blue Shield of Maryland, a member of the Board of Physician Quality Control and an officer of the Federation of State Medical Boards.

1950

Joseph S. Bronushas of Baltimore has a new granddaughter named DeKota Nicole Abbott. **L. Guy Chelton** of Dunwoody, GA is retired and does part-time consultation on medical administration and management. **Roy A. Kottal** of Cedar Rapids, IN is in private practice after having completed his obligation to the U. S. Air Force. He and his wife Julie have a daughter Shelby LeAnne, born January 16, 1992. **Hunter S. Neal** of Bryn Mawr, PA retired as chairman of the Lankenau Hospital's department of surgery and has reduced the volume of his practice. **Robert R. Thibadeau** of Rockville, MD retired last August and teaches science at the local

high school on a volunteer basis. **Melvin M. Udel** of Saratoga Springs, NY practices privately full-time.

1952

Stuart P. Culpepper of Sanford, FL retired in 1991. **Irving Kramer** has been practicing pediatrics for 37 years and continues to enjoy it. **Richard A. Sindler** of Towson, MD has returned to a part-time practice in radiology after a 4-year leave of absence.

1953

Robert Berkow of Fort Washington, PA is editor-in-chief for the 16th edition of the *Merck Manual*, having edited three earlier editions. **Joseph R. Bove** of Hamden, CT is a professor emeritus of laboratory medicine at the Yale School of Medicine and a specialist in immunohematology. **Hugh V. Firor** of Peoria, IL has been named head of the section of pediatric surgery and chairman of the department of surgery by the University of Illinois College of Medicine. **Thomas F. Herbert** of St. Michaels, MD retired from active practice in 1991. **Rafael Longo** of Santruce, Puerto Rico anticipates a December retirement, when he will leave his practice of neurosurgery, which he describes as having been "great", and reminisces, about his medical student days in

Baltimore as "the best time of my life."

1954

Thomas E. Kiester of Anchorage, AK sailed "Morning", his 44' sloop, around Cape Horn again last April (See Summer '91 classnotes.) **Moses L. Nafzinger** of Woodbridge, VA is envious of retiring classmates. **Marshall A. Simpson** of Columbus, GA administers psychiatric services to campus patients at the Martin Army Community Hospital in Fort Benning, GA. **J. Walter Smyth** of Baltimore was the 1990-1991 president of the Medical Alumni Association and announces that his son Thomas has become part of his urology group practice, Smyth, Smolev & Geringer, after having completed a residency at Stanford. **K. H. White** of West Hartford, CT writes that his youngest daughter attends the University of Connecticut Medical School and is the wife of **William Pennoyer '92**, a surgical resident at that school.

1955

Murray M. Kappelman of Baltimore is a professor of pediatrics and psychiatry, associate dean of medical education and special programs, and director of the divisions of behavioral and developmental pediatrics and graduate and undergraduate programs at the University of

Maryland School of Medicine. **Morton D. Kramer** of Baltimore writes that his daughter Rachel entered the University of Maryland School of Medicine last fall and that his son Andrew is an undergraduate student at the University of Rochester where acceptance into that medical school is guaranteed upon receipt of his BA degree. **Violet S. Kron** of Bryn Mawr, PA has served as associate director of students health psychiatry at the University of Pennsylvania and practices privately part-time. **C. Clark Welling** of Salt Lake City acknowledges the University of Maryland School of Medicine for giving him the start that launched him into a practice of pediatrics and a life that he enjoys.

1956

Richard G. Farmer of Bethesda became the senior medical advisor of the Bureau of Europe's Agency for International Development last January. His part-time appointment as a clinical professor of medicine at the Georgetown University Medical Center's department of medicine in its division of gastroenterology began in July. **Edward D. Frohlich** of New Orleans delivered the Annual Maurice E. Pincoffs lecture last December at the University of Maryland Medical Center. **William M. Palmer** of Salt Lake City is

Utah's 1991 Physician of the Year and was chosen by the University of Utah as recipient of the Excellence in Teaching Award and the Outstanding Clinical Faculty Award.

Gerald D. Schuster of Bowie, MD ran as the Republican party's candidate to the U.S. House of Representatives from Maryland's 5th Congressional District. Dr. Schuster is the editor of the American Academy of Pain Medicine's newsletter.

1957

Charles J. Allen of Dover, DE has been appointed director of the occupational health unit at Kent General Hospital. **Marvin S. Arons** of Woodbridge, CT received the appointment of fellow of Saybrook at Yale University. Dr. Arons is a clinical professor of plastic surgery there. **Joseph O. Dean** of Peoria, IL purchased a second home in Wisconsin in anticipation of his 1994 retirement. **Frederick W. Plugge, IV** of Chevy Chase, MD retired as a brigadier general from the Air Force in October, but continues as a professor of surgery at USUHS.

1958

Bruce N. Curtis of Safford, AZ writes that his son will graduate from the Medical College of Wisconsin and that

his daughter will become a DVM, specializing in horses, next spring. **R. H. Johnson, Jr.** of Augusta fired a 4 under par 68 at the Augusta National Golf Course (home of the Masters) including an eagle at number 15 and a birdie at number 12 and is contemplating the senior tour. **Richard H. Keller** of Salt Lake City is president of the Salt Lake City Medical Society (1992) and councilor from Utah to the American College of Radiology. **Robert C. Macon** of Rockville, MD is developing a risk factor reduction program for C.H.D. that includes cognitive and behavioral techniques, learning relation/meditation and low fat diet. **John J. Merendino** of Rockville, MD has been joined by son John, Jr. in his practice of internal medicine. **Michael D. Potash** of Owings Mills, MD retired from practice in February, 1992 and is now working toward a certificate in environmental studies at The Johns Hopkins University. **Lewis H. Richmond** of San Antonio is co-chairing the San Antonio Chapter of People Against Violent Crime and sits on the editorial board of *The Journal of Child and Adolescent Group Therapy*. As a participant in the Senior Olympics, Dr. Richmond won a silver medal for basketball.

1959

Philip W. Mercer of Miami

has accepted an appointment as associate clinical professor of family practice at the University of Miami's School of Medicine. **George S. Trotter** of Jacksonville and his wife Ann have five children and one grandchild.

1960

Franklin R. Hayden of Ocean Springs, MS has retired. **Herbert H. James** of Anchorage, AK continues to be the National Soujourners' representative in the OCONUS area. **Herbert A. Martell** of Whiteford, MS writes that his twin daughters Anne Louise and Mary Bernadette are freshmen at the University of Maryland School of Medicine. **John C. Morton** of Mechanicsburg, PA enjoys traveling in his retirement and spent one month with his daughter in South Africa where she works. **J. Ward Kurad** of Hickory, NC practices part-time, has received an MBA and does consultation work on health care issues for industry. **Jerome Ross** of Baltimore chairs the Maryland Society of Eye Physicians and Surgeons. **Michael S. Tenner** of Teaneck, NJ is president-elect of the American Institute of Ultrasound in Medicine and will assume the presidency in 1993. **Theodore Zanker** of Bethany, CT is vice-president of the Connecticut Medical Insurance Company's board

of directors and the vice-president of the Connecticut State Medical Society 1992-93.

1961

G. C. Kempthorne of Spring Green, WI was the recipient of the State Medical Society of Wisconsin's Directors Award for having served with outstanding distinction the science of medicine, physicians and the public. **Robert J. Myerburg** of Miami received the American Heart Association's Council on Clinical Cardiology Distinguished Achievement Award in November, 1991 and was elected vice-president of the Association of University Cardiologists in January, 1992. **M. B. A. Oldstone** of LaJolla, CA is head of the division of urology at the Scripps Institute, a scientific counselor to the National Institutes of Health Allergy and Infectious Disease Institute and serves on the board of directors of the World Health Organization.

1962

Frederick S. Felser of Miami is in the process of forming a single specialty clinic of 15-20 gastroenterologists in the South Dade County area.

1963

Merrill M. Knopf of Long Beach, CA serves on the board of directors of the California Association of Ophthal-

mology and is treasurer of the Long Beach Medical Society. **Robert M. Byers** of Houston is chairman of the department of head and neck surgery at the University of Texas.

1964

Gustavo A. Colon of Metairie, LA is the president of the Catholic Physicians Guild of New Orleans, president-elect of the Hispanic American Physicians of Louisiana and a board member of the American Society for Aesthetic Plastic Surgery. **Mark E. Krugman** of Santa Ana, CA is the executive secretary of the Double Boarded Society of Plastic Surgeons and Otolaryngologists. **C. D. Lee, Jr.** of San Diego, CA is a radiologist and an attorney specializing in health care law. **Jacob David Nagel** of Upperco, MD has been appointed by HealthPlus, Inc. as regional medical director for the Baltimore metropolitan area. **Jerome P. Reichmister** of Baltimore is chief of orthopedics at Sinai Hospital.

1965

Stanley Goldsmith of Hayward, CA has served as chief of Ob/Gyn at St. Rose Hospital since 1990. **David R. Harris** of Campbell, CA and his wife Carole have a three-month-old grandchild (their

Sojourns



"Shrink the Deficit" rehearses at least once a week at Rudo's Owings Mills studio. The rock group's members include accountant Dave Meer, public defense investigator Bob Schatz, alumni Jon Book '75 and Andrew Rudo '75

Music to "Shrink the Deficit" by

What do you get when you cross two psychiatrists, an investigator for the public defender's office and an accountant?

What else but "Shrink the Deficit," a rock band that plays Baltimore nightclubs, and has its sights set on the big time.

Dr. Andrew Rudo and Dr. Jon Book, classmates in the Medical School Class of 1975, have split personalities that take them away from the couch and land them in night spots under the guise of rock musicians.

It could be seen as a natural evolution of Rudo's interest in music, that started when he was six years old and practicing "Teaching Little Fingers to Play" on the piano. He idolized his cousin in Long Island who played the trumpet and studied at Julliard.

"I wanted a trumpet. But my mother, who is Spanish, said you can sing with a guitar, and the rest is history," says Rudo. At 15, with the Beatles changing the notes of rock 'n roll, the guitar-strumming Rudo started joining bands.

He eventually established a music school where he became both headmaster and the only student of music theory and technique. "I've never really been formally trained," he said.

Today, his music is heard as the "bleebles, buttons and stingers" on National Public Radio's "The Morning Edition." His are the jazzy rock pieces between programs. "Twice a month, they give me a credit at the end of the show," he says.

He also is writing a musical (no, he won't talk about it) which he expects to com-

plete by the new year, and then begin shopping it around. "I would be thrilled to see it in any venue," he says.

Music really grabbed him just over a decade ago and began consuming his free time. "Over the last 12 years, it really crystallized," he says, pushing a button on his cassette recorder to listen to his renditions of "Ocean City Ditty" and "Carol." "Can't you see Gov. Schaefer riding down to the beach listening to Ocean City Ditty in a commercial?" he asked. No doubt about it — it works.

Rudo takes his music so seriously that, in addition to pestering outlets to listen to his demos, he has built a state-of-the-art recording studio in his new Owings Mills home. Yet, unlike traditional dark studios tucked away beneath ground, Rudo challenged the recording gurus and put his music haven on the first floor.

Sun streams through the numerous windows, lighting up the bright room filled with electronic gizmos and paraphernalia, drums, guitars and keyboards, and buffered from the rest of the house by thick sound-proofed double doors and wall.

"I didn't want my recording studio in the basement with cinder block walls and no windows. I wanted a beautiful room," he said.

He does admit, however, he sometimes has to compete with the birds whose twitter and melodious chirping can pierce the glass and filter into the studio. But any inconvenience from outside noises is worth it just to be able to enjoy nature while composing, he says.

Music from band rehearsals fills the studio at least once a week. The Beatles tunes are a favorite as the band members perform four-part harmony for "Day Tripper" and "I Saw Her Standing There." The group prefers to play dances where the couples move to classic rock.

Rudo splits his time between psychiatry and music. "Rather than being a starving musician," he said, "I think I'll keep the day job."

Nancy Kercheval

Sojourns

Do you have an unusual hobby, avocation, collection or experience to share? Write and tell us about it! Copies of clippings from other publications are fine, or just send a summary of a page or so. From time to time, we will select a submission and publish a story.

first) who, they say, knows the names of the cranial nerves. **Phillip P. Toskes** of Gainesville, FL is chairman of the National Digestive Disease Advisory Board (1992-93), president of the Florida Gastroenterology Society (1992-93) and associate chairman for clinical affairs in the University of Florida's department of medicine.

1966

Stuart L. Fine of Bryn Mawr, PA has been professor and chairman of the department of ophthalmology at the University of Pennsylvania and the director of the Scheie Eye Institute in Philadelphia, where they are now firmly "ensconced," since 1991. His wife Ellie is on a leave of absence from teaching, daughter Karen is the assistant director of development at Grace Hospital in Detroit and son Andy, who graduated from Harvard in 1991, is a freshman at the University of Pennsylvania School of Medicine. **Barry E. Ominsky** of Baltimore writes that **Lee Kleiman '86** will join his practice next March. **C. Downey Price** of Conroe, TX is starting Third World eye clinics in El Salvador and Costa Rica, maintains programs in Belize and Bolivia and serves as president of Benevolent Missions International.

1967

E.A. Abel-Lane of Los Altos, CA, clinical professor of dermatology at Stanford University School of Medicine, is the editor of a multi-authored reference text published by Igaku-Shoin Medical Publishers, Inc. entitled "*Photo-chemotherapy in Dermatology*." It is a guidebook on the use of PUVA therapy for psoriasis and other cutaneous disorders. **James G. Konrad** of St. Helena, CA lives in the Napa Valley and his home was featured in the September 1992 edition of *Metropolitan Home* magazine where the article, "Napa Valley Home—Heaven on a Hillside," appeared.

1968

Charles J. Lancelotta of Ellicott City, MD is the father of Chip, a sophomore at the University of Maryland School of Medicine. **Carl G. Quillen** of Maplewood, NJ is the president of the New Jersey Society of Plastic and Reconstructive Surgeons. **Barry J. Schlossberg** of Louisville, KY is the medical staff president at the Humana Hospital, SW.

1969

Donald M. Baldwin of Tulsa writes that while completing one of the two years required for an MBA at Northwestern University, he did locum tenens in orthopaedic surgery.

Arnold Herskovic of Dearborn, MI was published in the June, 1992 edition of the New England Journal of Medicine after an abstract was presented at the 1991 plenary sessions of the American Society of Clinical Oncology and the American Society of Therapeutic Radiation. **William D. Kaplan** of Boston has been promoted to full professor of radiology at Harvard Medical School. **Ronald R. Parks** of Pikesville, MD specializes in psychiatry and behavioral medicine and has opened a new office in Towson. **K. F. Skitarelic** of Portsmouth, OH became medical director of the laboratory at Southern Ohio Medical Center in July.

1970

Donald D. Douglas of Lewisburg, PA is an elected fellow to the American College of Physicians and an appointed clinical instructor at the Milton S. Hershey Medical Center. **Calvin P. Fuhrmann** of Baltimore is interim director of postgraduate medical education at the Harbor Hospital Center. **Kenneth M. Hoffman** of Annapolis will sit on the Medical Alumni Association's board of directors until 1995. **David A. Perry** of Cornwall-on-Hudson, NY married Susan, his graduate school sweetheart, whom he hadn't seen

for 25 years, on June 22, 1991. Dr. Perry's daughter Noelle is a student at the Cornell University School of Veterinary Medicine. **David Tapper** of Mercer Island, WA is director of the American Board of Surgery.

1971

George H. Brouillet of Ellicott City, MD became president of the Maryland Orthopedic Society last May, and is the team physician for the Baltimore Blast professional soccer team. **Gary A. Grosart** of Marion, MA is chairman of the department of medicine at St. Lukes Hospital in New Bedford. **Robert B. Lehman** of Baltimore writes that his daughter Yael is in her first year at the University of Maryland School of Medicine. **Jack S. Lissauer** of Shaker Heights, OH was recognized for 14 years of outstanding service as a consultant in gastroenterology to the Cleveland Veterans' Affairs Medical Center by the United States Department of Veterans Affairs. **Paul T. Rogers** of Bel Air, MD has had a book published.

1972

Judith M. Dischel of Claremont, CA entered private practice for the first time after years of health maintenance organization work. **Michael**

Golembieski of Fairfax Station, VA relinquished command of the naval hospital at Cherry Point, NC in July and is now a special assistant in the office of the Naval Inspector General in Washington, DC. **Gregory A. Mitchell** of Annapolis operates a 20-station hemodialysis unit that offers active nephrology and renal biopsy service. **Walter J. Wiechetek** of Windsor Cocks, CT traveled to Beijing where he reviewed the Chinese space program and gave a series of lectures on the medical aspects of space suit and station freedom.

1974

Jeffrey P. Block of Thousand Oaks, CA and his wife Liz announce the arrival of Alexandra Jeanette born 12/7/91. **Robert M. Guthrie** has been elected to the committee on revision of the United States Pharmacopeial Convention and will chair the family practice advisory committee 1990-1995. **Thomas M. Milroy** of Montreal is the director of the department of psychiatry's in-patient services at the Montreal General Hospital. **Dawn V. Obrecht** of Lakewood, CO spent two weeks in Honduras last July where she was a volunteer rural physician. **Luis A. Queral** of Baltimore is the co-founder of the first Maryland Vascular Institute, where treat-

ment for circulatory disorders is the priority. **Allen C. Zechow** of Voorhees, NJ writes that his son Stefan Mark is a first-year medical student at the University of Maryland. **David L. Zisow** of Forest Hill, MD and his wife Marcie celebrated their 20th wedding anniversary this year and write that their four children continue to make them proud.

1975

Bruce E. Beacham of Baltimore is a clinical associate professor of dermatology at the University of Maryland School of Medicine. **Charles F. Hoesch** of Timonium, MD is the medical director of the nursing center at the Good Samaritan Hospital in Baltimore. **Kenneth V. Iserson** of Tucson, AZ is a professor of surgery at the University of Arizona, and is working on his third book about organ donations. **Gary Waxman** of Cockeysville, MD, his wife Kathleen and son Michael proudly announce the birth of Carter Ryan born 9/5/91.

1976

Timothy E. Bainum of Yorges Island, SC recently closed his rural practice in Hollywood, SC and is now practicing as a civilian family M.D. at the naval hospital in Beauford, SC. Dr. Bainum notes that this facility was

made famous recently by the "Street Preachers."

Bradford A. Kleinman of Potomac, MD and his wife Sharon are the proud parents of twin girls, Natalie Morgan and Olivia Darrow, born 1/11/92. **Harry Clarke Knipp** of Reisterstown, MD became a fellow of the American College of Radiology last September. **Arno L. Zaritsky** of Virginia Beach, VA relocated there recently when he was appointed the director of research for the Pediatric Critical Care Division of the Eastern Virginia Medical School.

1977

K. H. Hanger, Jr. of Charleston, SC is establishing a practice in cardiology there. **Martin I Herman** of Saltillo, MI relocated his practice of pediatrics/emergency medicine to Las Vegas last summer to begin working in the emergency department of the Humana Childrens Hospital. **Christopher F. James** of Gainesville, FL became an associate professor of anesthesiology at the University of Florida in September 1991 and is a commander in the United States Naval Reserve. **William G. Martin** of Toledo, OH directed the 7th Annual Island Ophthalmology Course, in which there was an enrollment of over 200 doctors.

Association Sponsors Pizza Party

On August 27, the Medical Alumni Association hosted its traditional pizza and sub party for incoming first year medical students at the Medical School Teaching Facility. Despite the challenges awaiting them—Anatomy lab, 8 a.m. classes, 200-300 pages of reading every night—there was a healthy turnout. In addition to fueling up compliments of the alumni association, many M1's took the opportunity to tour historic Davidge Hall. When the party broke up, many students acquired "doggie bags" for late night study breaks.

*Maureen Burdette '96
Jim Wang '96*

1978

Janet L. Kennedy of Baltimore directs the division of reproductive endocrinology at the Union Memorial Hospital. **Philip N. Massey** of Centreville, VA writes that his son Christopher was hard to live with last summer after learning how to cradle at the UVA's lacrosse camp, but then Conway, his wife Maggie's bird, laid an egg and that kind of made up for everything.

1979

William E. Becker of Cumberland, MD is enjoying life and practice in Western

Maryland with his wife Debra and two children, Drew and Erin. **Alan R. Gaby** of Pikesville, MD writes that he is a member of the American Holistic Medical Association and adds that he recently got "whipped but not hurt" when he entered a wrestling tournament. **Paul F. Giannandrea** of Ellicott City, MD became ASAM certified in addiction medicine in 1991, announced the birth of his and his wife Leigh's third child, Vincent in April 1992 and was named medical director of the Drug Dependency Treatment Program by the Veterans Affairs Medical Center in Baltimore in July, 1992. **Peter E. Rork** of Jackson Hole, WY writes that he and his wife Squirrel became parents for the third time on March 5, 1992 when their son Peter Buller Rork was born.

1980

Mark E. Bainum of Honolulu served as delegate to the young physician section of the American Medical Association's December, 1991 meeting in Las Vegas. **Dale K. Dedrick** of Ann Arbor, MI writes that, in addition to his appointment in the department of orthopaedic surgery, he has been appointed to the position of assistant professor of internal medicine-rheumatology at the University of Michigan. **David B.**

Franks of St. Louis announces the birth of his first child, David Henry, born 12/30/91. **Christine L. Kirkwood-Galan** of St. Michaels, MD is working in the emergency department of the Memorial Hospital of Easton, MD and has two children Julie, 9 and Peter, 3. **Robert Y. Maggin** of Rockville, MD has been in the practice of internal medicine with classmate **John Margolis** since 1983 and they will soon be joined by **Jennifer Moy '89**. **Richard A. Marasa** of Easton, MD was elected to the board of directors of the Maryland Chapter of the American College of Emergency Physicians. **Michael J. Moritz** of Merion, PA was appointed chief, section of liver transplantation, acting head of the division of transplant surgery and acting director of the transplant program at the Thomas Jefferson University in Philadelphia. **Roy T. Smoot, Jr.** of Seaford, DE accepted an invitation to speak at the 10th Annual Grensland Symposium in Leuven, Belgium last March. Dr. Smoot titled his speech, "Laparoscopic Hema Repaid-To Be or Not To Be." **Louis Wm. Solomon** of St. Petersburg, FL is chief of pediatric surgery at All Children's Hospital in St. Petersburg and vice-chairman of the department of surgery.

1981

Herbert N. Chado of Evergreen, CO and his wife Diane announce the birth of their first child, Garrett Robert. **Maura K. Dollymore** of Martinsburg, WV recently received a five-year service award from the National Health Service Corp. **Alice M. Magner-Condro** of Richmond, VA and her husband, Dr. Peter Condro, are happy to report the birth of a son, Charles, who joins his sisters Grace, 7 and Claire, 2. **Marc Okum** of Glen Burnie, MD announces that **H. Joseph Kim '85** has joined him and **Kevin J. Doyle** in their practice of cardiology. **Rona B. Sayetta** of Newton Centre, MA became board certified in general preventive medicine and is in the process of completing a second residency in psychiatry at Johns Hopkins in order to expand on a research doctorate in psychiatric epidemiology. **Gary H. Silber** of Scottsdale, AZ and his wife Betsy announce the birth of Lauren Beth June 21, 1991. **S. A. Yousem** of Pittsburgh has received the appointment of director of anatomical pathology at the University of Pittsburgh School of Medicine's Montifiore Hospital.

1982

Thomas W. Conway of Newport, TN has started a

solo practice in family medicine. **Brian K. Cooley** of Plano, TX was not at his 10 year reunion, but wishes fellow alumni well and looks forward to seeing them the next time. Dr. Cooley recently added an associate to his growing gastroenterology practice. The Cooley family recently moved into a lake-front house with trees, a rarity in the Dallas area. **Donald G. Hope** of Fairfax, VA and his wife Mary have a son, Brian Christopher, who is 1-1/2 years old. **Ronald D. Jacobs** of Potomac, MD and his wife Ann are the parents of Lauren Michelle, their first child, born on September 9, 1991. **John A. Lampe** of Arvada, CO and Kimberlee Barnes announce the birth of their first child, Alexander John, who was born on March 14, 1992. **Randi D. Lebar** of the U. S. Navy enjoys the traveling life. When we last heard from Dr. Lebar, she was in Okinawa, Japan. **Rebecca Love** of Ruxton, Md. practices emergency medicine full time at the Union Memorial Hospital in Baltimore and lives in a "new (old) house" with husband Thomas Burton and their three children.

1983

Bruce A. Blacker of Chicago recently moved back to that city and a group practice. Dr. Blacker's wife, Dr. S. Margaret Paik, has joined the faculty at

the University of Chicago's Wyler Children's Hospital as an emergency physician.

Blaise Chromiak of Upper Marlboro, MD was recognized by *The Washington Post* last July when a story appeared in that newspaper's metro section about his career as a traveling physician for Geriatric Care of Greater Washington. Dr. Chromiak has been doing house calls for over a year and writes that "it's a great way to practice." **Mary Jo Johnson** of Columbia, MD has returned to the University of Maryland School of Medicine with the appointment of assistant professor in Ob/Gyn. **Barry Krakow** of Albuquerque, NM co-authored the book, *Conquering Bad Dreams and Nightmares*, which was published in October by Berkley Books. **Margaret M.**

Nichols-Gallaher of Santa Fe and her husband Bruce are the proud parents to a three-year-old son and a daughter who was born January 17, 1992. **Milton B. Sniadach** of Englewood, CO and his wife Margorie announce the birth of their daughter, Molly Stephanie, born October 6, 1991. **Victoria A. Vanek** of Baltimore and her husband Robert Vissing have daughters who are 4 years and 1-1/2 years old.

1984

Roy E. Bands, Jr. of Camp Hill, PA and his wife Traci have a son, Roy E. Bands, III born September 20, 1990 and a daughter, Tenley Christa born March 6, 1992. **Brad D. Lerner** of Towson, MD and classmates **Marty Albernoz**, **Dale Meyer**, **Rick Downs** and **Sam Snood** met in Quebec on June 1 for the 10th reunion of their camping trip of the summer of 1982. A sixth classmate, **Roy Bands**, was not able to attend. **Martin L. Schwartz** of Birmingham, AL has moved into a new home with his wife Elba and their two sons. Dr. Schwartz has a growing sports medicine practice at the Health South Medical Center. **Peter Wayne Townsend** of Palatka, FL will have paid back his obligation to the National Health Service Corps in 1-1/2 years. **Lewis C. Wasserman** of Orlando, FL writes that it sure takes a while to build a practice and that he and his wife Linda have a son, David, who is toddling along.

1985

Michael R. Barnett of Timonium, MD recently moved his office to Westminster, MD and has offices in Sykesville and Hamptead. **Sarah M. Fisher** of Philadelphia is currently on

the staff of Temple University Hospital along with classmates **Jaquie Rose**, an anesthesiology resident, and **Rich Rubin**, a resident in ophthalmology. **Richard W. Maack** of Baldwin, MD recently received a faculty staff appointment at the Washington University School of Medicine in the department of otolaryngology division of facial plastic surgery. **Jed S. Rosen** of Reisterstown, MD recently opened an office in Westminster, MD. **Lazlo R. Trzakovich** of Baltimore is the director of the adult outpatient division of the department of psychiatry at Sinai Hospital. He and his wife Michelle have a son, Alex, who is 4-1/2 years old.

1986

Stephanie Harris Applebaum of Flossmoor, IL is a practicing pathologist in Kankakee, IL. She and her husband, **Robert '78**, have two sons, Aaron Michael, 3 years old and Daniel Joseph, 1 year old. Robert is a cardiac surgeon. **H. Scott Barshack** of Novato, CA is engaged to marry Dr. Lana Nguyen next May. **Judith N. Feick** of Newark, DE and her husband David became parents for the first time in July 1991 when their son John Clyde was born. **M. A. Klein-Trzakovich** of Baltimore became a clinical instructor of psychiatry at the University of

Maryland School of Medicine last July and is a clinical psychiatrist at the Cherry Hill Clinic. **Teresa H. Liao** of New York is a clinical assistant professor of anesthesiology at the University of Medicine and Dentistry of New Jersey. **Michael S. Lifson** of Baltimore was published in *The Journal of Maternal-Fetal Investigation* when his article, "The Efficacy of Magnesium Sulfate in the Treatment of Preterm Labor," appeared in Vol 1, #3, 1991. **Denise L. Murray** of Chevy Chase, MD became Denise L. Pelmoker, M.D. when she married Andrew last June. In July, Dr. Pelmoker joined a reproductive endocrinology infertility practice in northern Virginia. **Judith L. Rowen** writes that she was honored by the Pediatric Infectious Disease Society when awarded a two-year fellowship and was happy that she had to come to Baltimore to receive it.

1987

Michael J. Damiano of Elkridge, MD joined his father, **Louis M. Damiano '60**, in his Greenbelt, MD otolaryngology practice. **Adam Howard Fischler** of Norfolk, VA recently married Barbara who is a cardiovascular ICU nurse. **Ralph Gregg** of Fort Myers, FL and his wife Ana recently had a second son, James Francis, March 20, 1992. **Robin R. Leslie** of Tigard, OR

continues to practice pediatrics part time in Portland and writes that she and her husband Barry Albertson had a second son, Kevin, born in May. **Thomas B. Mulford** of Coconut Grove, FL was married on September 28, 1991. Dr. Mulford and his wife Rosemary are expecting a child in February. He is chief resident in anesthesiology at the University of Florida. **Jeffrey Ronald Rehm** works in the pulmonary/critical care department of the University of North Carolina at Chapel Hill after completing a residency in clinical decision making. **Paul A. Tarantino** of Owings Mills, MD recently joined **Stanley Brull '69** in the practice of ophthalmology with offices in Baltimore and Owings Mills. **D. V. Woytowicz** of Miami will do a fellowship in hematology/oncology at the University of Virginia in Charlottesville beginning July, 1993.

1988

Lisa D. Amir of Atlanta gave birth to a second daughter on October 22, 1991 and began a fellowship in pediatric emergency medicine last July. **Kenneth W. Kotz** of Plymouth Meeting, PA is in his second year of a hematology/oncology fellowship at Temple University's Fox Chase Cancer Center in Philadelphia. **David Boaz**

Naharin of Draper, VA finished a residency in diagnostic radiology last June and began a practice with a partner in Pulaski, VA in July. **Jackie A. Syme** of Washington, DC has been appointed clinical instructor and EMG fellow in the department of neurology at the George Washington University Medical Center. **Marcella A. Wozniak** of Elkridge, MD has a one-year stroke fellowship at the University of Maryland School of Medicine in the department of neurology.

1989

Louis I. Bezold of Houston began a fellowship in pediatric cardiology last summer at the Baylor College of Medicine's Texas Children's Hospital after completion of a Baylor residency in June.

Cheryl Dungan Burk of Sparks, MD returned to Baltimore after a 3-year residency in internal medicine at York Hospital to practice general internal medicine with Brager, Gaber and Associates in the Baltimore-Lutherville area.

Neri M. Cohen of Richmond, VA was awarded an NIH-NHLBI NRSA grant. **J. William Cook IV** of Timonium, MD is the chief medical resident at York Hospital and the father of a second son, Joseph

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Think again about adding to your bookshelf a copy of *Department of Internal Medicine, University of Maryland School of Medicine, 1807-1981* by Theodore E. Woodward '38. Those who already own one take great pleasure in the

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W. Cook V. **Ann S. Hagen** of Hanover, MD is an endocrine fellow at the University of Maryland and she and her husband Eric have a son, Eric C. Hagen, Jr., born February 29, 1992. **Judith Hutchinson** of Timonium, MD, her husband Paul and son Zachary, welcomed Samantha Sian into the world on February 28, 1992. **Rosemarie Ingleton** of New York began a residency in dermatology last July at the New York Medical College upon completion of an internal medicine residency there. **Kathleen Usher Mathey** of Sparks, MD married Steve Mathey on September 7, 1991. **Merdad V. Parsey** of Palo Alto, CA is an intern at Stanford after receiv-

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ing his PhD. **Lise K. Satterfield** of Monkton, MD began working as a clinical associate, P.A. in Towson, MD last July. **Ellen Pichney Smith** of Silver Spring, MD married in February 1992 and works as an attending physician in the department of emergency medicine at the Suburban Hospital in Bethesda. **John F. Wiley** of Arlington, VA started a pulmonary residency at the George Washington University in Washington, DC last July.

1990

Irfans Ali of Worcester, MA will travel to Hawaii, Thailand and Hong Kong upon completion of her residency at the University of Massachusetts in Worcester. **Jennifer P. Corder** of Baltimore and her husband Bob have a son, Gabriel, born February 3, 1992. **Jay W. Floyd** of Charleston, SC is in his final year of family practice training and on active duty with the Navy. He and his wife, Donna, have been married for two years. **Martin I. Passen** of Baltimore will be the chief resident of Mercy Hospital's department of in-

ternal medicine after he has completed his residency at the University of Maryland Medical Center. **Michael E. Rauser** of Sparks, MD is a second year resident at the York Hospital in Pennsylvania and was wed to Mi Ye Kim in July. **Dwayne T. Shuhart** of Danville, PA and his wife Regina are the parents of Laura Jean who was born on September 30, 1991.

1991

Elliot Evan Cazes of Baltimore and his wife Pamela Hope announce the birth of their son, Matthew Pierce, born July 8, 1992.

1992

Paul Dyer of York, PA is in PGY1 at the York Hospital in Pennsylvania and will begin a residency in ophthalmology at the University of Maryland in 1993.

REUNION 1993

118th Annual Medical Alumni Reunion
May 6, 7 & 8, 1993

TENTATIVE SCHEDULE

Thursday, May 6 • Departmental Lectures and Grand Rounds
Morning

10:00 - 5:00

Registration at Davidge Hall

10:30

Campus tours depart from Davidge Hall

11:30

John Beale Davidge Alliance Luncheon, (Members Only)
The Center Club (USF&G Building)

1:30 - 4:30

Baltimore City Tour

7:00 - 10:00

Crab Feast Cruise on the Bay Lady

Friday, May 7 • Departmental Lectures and Grand Rounds
Morning

8:30 - 5:00

Registration continues at Davidge Hall

9:00 - 10:30

R Adams Cowley Shock Trauma Center Tour

10:00

VA Center Tour

10:00 - 1:00 pm

Complimentary Brunch, Davidge Hall

11:00

Dean's School of Medicine and Update

11:00 - 5:30

Pimlico Race Track

Afternoon

- 25-Year Certificate Presentation
- CME Scientific Update featuring Gold Key Winner and Class of 1968

Evening

Class Parties for years ending in "3" or "8"

Saturday, May 8 • 8:30 - 2:00 • Registration, Davidge Hall

9:15 - 4:45

Annapolis Boat Trip

Morning

Business Meeting, Davidge Hall

6:30 - 12:00

118th Annual Alumni Reception and Dinner Dance

Sunday, May 9

Brunch and Camden Yards Tour

IN MEMORIAM

Jack Sarnoff '25

(Sarasota, FL 7/25/92)
interned at what is known today as the Brookdale Medical Center, Brooklyn, NY and maintained an active practice in otolaryngology while doing postgraduate work. He was certified by the American Board of Otolaryngology in 1940 and served in the U.S. Army from 1942-1946, in the regional hospital at Camp Selby, MI. Dr. Sarnoff was on the staff of Brooklyn Eye and Ear, Kings County and Elmhurst General Hospitals and was director of otolaryngology at St. John's Queens and Astoria General Hospitals. He was a fellow of the American Academy of Ophthalmology and Otolaryngology and the International College of Surgeons. After Dr. Sarnoff retired in 1969, he served as a consultant to the Department of Social Services of the state of New York. He is survived by his son, Michael and his daughter, Judith Kopel.

M. Ray Hannun '31

(Spartanburg, SC 7/11/92)
moved to Milan, MI in 1932 where he practiced until he retired to Florida in 1972. He moved to Spartanburg, SC in

1975. Dr. Hannun was on the staff of Saint Joseph's Hospital in Ann Arbor, served as an official of the federal prison system and as a back-up physician for the Milan prison. In addition to his medical practice, Dr. Hannun was a businessman and a community leader. During the Depression, he started a machine shop and asked unemployed patients who could not pay their medical bills to help construct the building in lieu of payment. After World War II, Dr. Hannun was effective in bringing Wolverine Plastics, a company which grew to employ 350 people, to Milan, and he was instrumental in founding Greater Milan, an organization that worked to attract businesses to the area. Among Dr. Hannun's survivors are his wife of 51 years, Esther, his sons Charles and James and his daughter Eve Thompson.

John F. Simmons '32

(Cambridge, MD 7/13/92)
practiced in Baltimore and Cambridge. He is survived by his wife, the former Isabel Barton; his three daughters, Marie Shields, Katherine Potter and Isabel Brannock; his son, J. Frederick, Jr. and nine grandchildren.

Robert M. Lowman '36

(New Haven, CT 12/4/91)
interned at the Baltimore City Hospital and completed a residency in radiology at the Massachusetts Memorial Hospital in Boston. Dr. Lowman was director of the radiology department at Grace Hospital, New Haven for 10 years prior to being appointed director of the Memorial Unit at Yale-New Haven Hospital in 1952 where he initiated the development of mammography. Specializing in gastrointestinal radiology, Dr. Lowman was a professor of radiology at the Yale School of Medicine until 1983, when he retired and was named professor emeritus. After retirement, he remained as a consultant in radiology for the West Haven Veterans Affairs Medical Center until September 1991. He is survived by his daughter Gail Eisen, his son George Lowman and two grandchildren.

Jewett Goldsmith '42

(Northbrook, IL 5/14/92)
completed an internship in psychiatry at Kings County Hospital in Brooklyn, NY and

a residency at Duke University Medical Center, where he became an assistant professor of psychiatry before going on to an associate professorship at Northwestern. Before retiring in 1990, Dr. Goldsmith was service chief at the Illinois State Psychiatric Institute. He was honored by the American Psychiatric Association when he became a life fellow. Survivors include his wife Halina, two daughters and a son.

Leonard E. Yurko '43M

(Wairton, WV 4/13/92)
specialized in orthopedic surgery. His wife Charlotte survives.

Daniel G. Anderson '56

(Salisbury, MD 8/31/92)
specialized in pediatrics. Among the survivors are his wife Pegge, his daughter Mary Gamble, his son John William Porter and two grandchildren.

FACULTY NEWS

Maimon M. Cohen, Ph.D., professor, OB/Gyn and pediatrics, has been named editor of *Cytogenetics and Cell Genetics* for a four-year term.

Andrew P. Goldberg, M.D. is the head of the department of medicine's newly named division of gerontology at the Veterans Affairs Medical Center in Baltimore, where he conducts research in exercise and nutrition education for overweight and sedentary older individuals.

Ramesh K. Khurana, M.D., clinical associate professor in the department of neurology, co-chaired a session on the autonomic nervous system at the American Academy of Neurology meeting in May and was a panelist at the American Association for the study of headaches in June.

Mark J. Krasna, M.D., director of the division of thoracic surgery and assistant professor of the division of cardiovascular and thoracic surgery, is the surgical coordinator for Cancer and Leukemia Group B (CALGB) and the director of the CALGB tissue bank.

Alan Marc Levine, M.D., professor of orthopedic surgery and oncology, co-edited a text entitled *Skeletal Trauma*.

Chris Papadopoulos, M.D., clinical associate professor of medicine at the University of Maryland and chief of cardiology at Harbor Hospital Center in Baltimore, is the author of a chapter in the new edition of the textbook, *Rehabilitation of the Coronary Patient*. He also co-authored the monograph *Psychologic and Social Aspects of Coronary Heart Disease/Information for the Clinician* with an international group of contributors. The latter was published by the International Society and Federation of Cardiology.

George Taler, M.D., department of family medicine, was elected president of the Maryland Geriatrics Society.

Debra Wertheimer, M.D., assistant professor, department of family medicine, participated in a conference titled, "Transitions and special care, prescription for professionals working with the cognitively impaired," held in October at the Columbia Hilton. The conference was a joint project of the Maryland Gerontological Association and the UMAB's Geriatrics and Gerontology Education and Research Program.

Gill Wier, Ph.D., professor of physiology, School of Medicine, was profiled in the September issue of the American Heart Association newsletter. Wier is an executive commit-

tee member of the AHA and his research interests include the role of calcium in cell function, particularly mammalian cardiac muscle.

John F. Wilber, M.D., professor of medicine, has been elected 1992-1993 president of the Maryland Endocrine Association and has been invited to lead a "people to people" delegation.

Donald E. Wilson, M.D., dean of the University of Maryland School of Medicine, was named Internist of the Year by the internal medical section of the National Medical Association. The association, which represents 16,000 minority physicians, recognized Wilson for "outstanding leadership and contributions to internal medicine."

Dean Wilson was recently appointed chairman of the National Advisory Council of the Agency for Health Care Policy and Research. The agency is part of the public health division of the Department of Health and Human Services.

Dean Wilson has also accepted an invitation to sit on the National Advisory Committee for The Fellowship Program in Academic Medicine, which helps gifted minority students prepare for careers in academic medicine and biomedical research.

COMING EVENTS

January 7, Thursday

"International Night"
Alumni/student event honoring the sophomore class
Baltimore

April 7, Wednesday

Martin Helrich Lecture
Richard J. Kitz, M.D.,
"The Pageant of Anticholinesterase Agents"
Chemical Hall, 5 p.m.
Baltimore

May 6-8, 1993

118th Annual Medical Alumni Reunion
Weekend for Classes ending with "3" or "8"
Baltimore

May 15, Saturday

11th Annual Isadore A. Siegel Lecture
Chemical Hall, 9 a.m. - 1 p.m.
Baltimore

OUT AND ABOUT



On Monday, October 12, a reception was held at the American College of Surgeons annual meeting in New Orleans. Jointly sponsored by the Medical Alumni Association and the department of surgery, the event was a great success. Approximately 100 alumni, residents, faculty and friends joined hosts Carole Miller, MAA executive director; Donald



Gann, associate chairman of the department of surgery; and Joe McLaughlin '56, director of the division of thoracic surgery, for cocktails and hors d'oeuvres.



Thursday, October 15 saw your executive director in San Diego to host another reception at the American Academy of Family

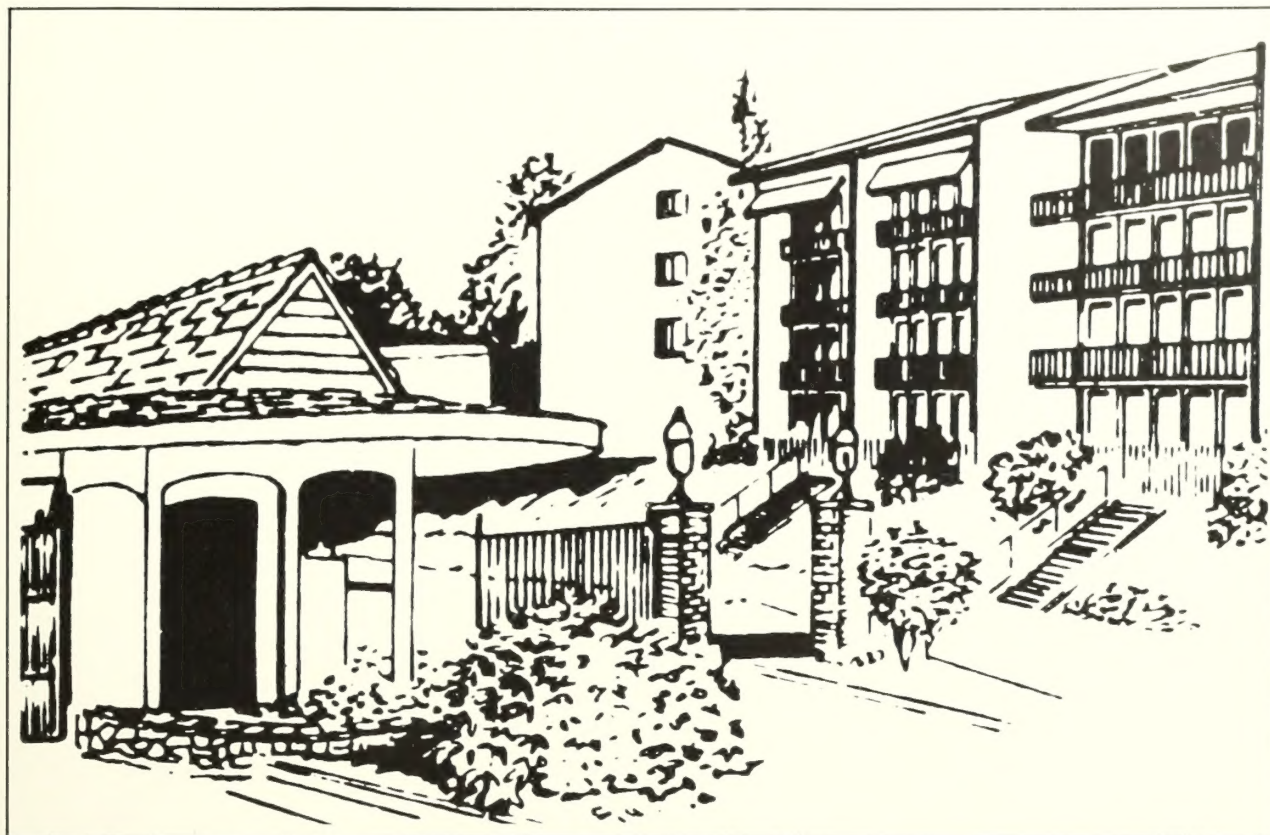
Practice. Special congratulations were extended by the 50+ guests to Earl Hill '60, who was elected national vice president of the Academy earlier that week. On hand to applaud were two notable friends: Dean



Griffin '66, past AAFP president, and Edward N. Brandt, former UMAB chancellor from 1984-89. Dr. Brandt, who now lives and teaches in Oklahoma City, was on hand to receive AAFP's first Humanitarian Award for "outstanding contributions to public health." After a convivial evening reminiscing, guests gathered around to watch the Presidential debate.



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MEDICAL ALUMNI ASSOCIATION ■ SCHOOL AND HOSPITAL ■ SPRING 1993, VOLUME 77, NO.4

The Dream Comes True

Former Dean
John Dennis
reflects on the new
VA Medical Center

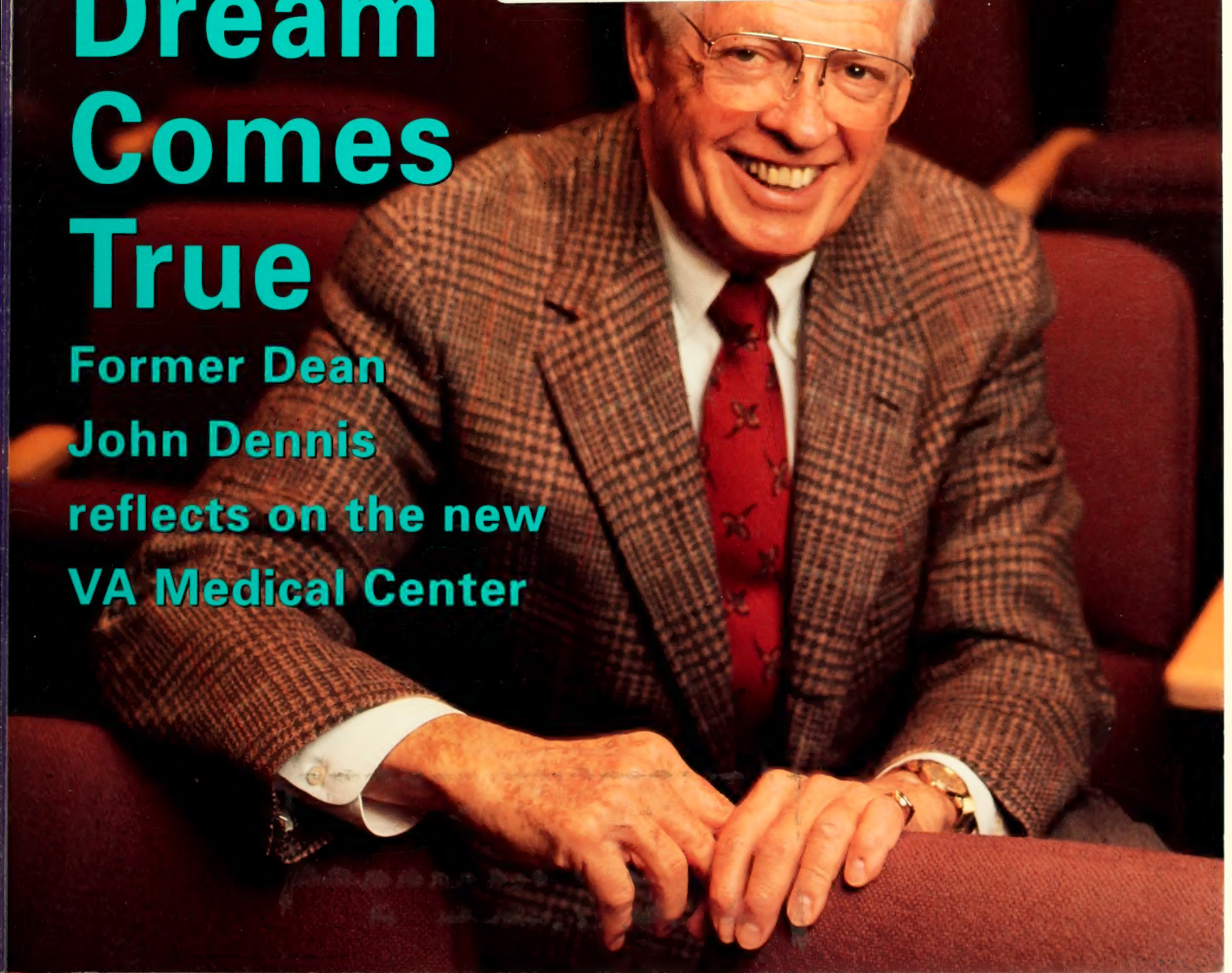
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The Dream Comes True

The new Veterans Affairs Medical Center, now complete and joined via a bridge to the University of Maryland Medical Center, is a tribute to the foresight and dedication of Dr. John M. Dennis, former dean of the School of Medicine. Dr. Dennis is pictured on the cover in the new VA auditorium, named for him.



Country Doc, page 18

16

The Triumph of Transplants

For the University of Maryland Medical Center's innovative transplant program, February not only marked the performance of the state's first pancreas-only transplant, but the joyful first anniversary of Maryland's first lung transplant.

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"Just a Little of That Human Touch . . ."

Each year in the hills of Western Maryland, medical students invest four days building human relations skills—and relationships—to last a lifetime. The Human Dimensions in Medical Education program, now in its 17th year, helps students bridge the gap between their professional and personal lives.



Just a Little of that Human Touch, page 19

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Cover photo by Doug McDonough

Message from the Dean

A Time for Renewal



Donald E. Wilson, M.D., Dean

To borrow from President Clinton's inaugural address, this is the spring of our renewal. Spring does seem to present the opportunity—real or imagined—to start again, to look forward with strengthened resolve and fresh optimism.

Here at the School of Medicine, spring is also heralded by the graduation of a cadre of brand new young physicians and researchers. We will once again send them out into a not-so-perfect world in the hope that their dreams will bring us all a little closer to a healthier world, to access to affordable, compassionate care, to an AIDS vaccine. . . .

And it looks as though that will continue to be a rite of spring here. The school just finished undergoing its LCME accreditation process and, while the final results were not yet available as I wrote this, I can tell you that it went quite well. I am confident that we will be handing out diplomas for quite some time, just as we have for nearly 200 years. I'll provide a full report on the LCME visit in the next issue of *The Bulletin*.

On a sobering note, the legislative session is in full swing as I write this and, unfortunately, our budget remains constricted. Economic indicators are positive, however, so I am hopeful that things are on the upswing. Rest assured that I will spend as much time and effort in Annapolis as is necessary to help keep this school on the path to national prominence that I believe we've already set out upon. One goal will be to recapture the enhancement dollars allotted to us and then lost three years ago. Once again, though, I look for it to be an uphill climb. Even as we tell our story to legislators, the Board of Regents has charged us, as a component of "Achieving the Vision in Hard Times: II," to repeat our scrutiny of the School of Medicine's graduate programs. As you may know, the goal of this initiative calls for increased efficiency system-wide and the possible redeployment of funds to ensure their optimal use.

The future is bright, however, on some other fronts. On December 17 we dedicated the new Allied Health and Biomedical Research buildings. On January 24 the im-

pressive VA Hospital opened, keeping the promise to Maryland's veterans. And on March 1, we held the official groundbreaking of Phase I of our state-of-the-art Health Sciences Facility. Governor William Donald Schaefer, Mayor Kurt L. Schmoke and many members of the Maryland General Assembly's Budget and Taxation and Appropriations committees were on hand to celebrate this important milestone with us. By the time you read this, construction will be in full swing and we will be well on our way to achieving a new level of excellence in biomedical and health services research and student education. From a practical standpoint, we will also be on our way to nearly 180,000 more square feet of research and educational space (86,000 square feet in Phase I). This will allow us to recruit and retain outstanding faculty from around the country and to attract the top undergraduate, graduate and postgraduate students.

There are other reasons for hope in this season of renewal. Our grants and contracts are healthier than ever. In 1992, we ranked 15th among 76 publicly supported schools in NIH funding; our total

grants and contracts place us in an even more select group. In FY'92, that total was \$84.5 million, and it appears that we will reach \$100 million this year. This puts us in the top 25% of all schools.

One example of just what we're doing with those funds is something that has everyone here quite excited. With

difference right in our own backyard. Another benefit to this grant is that it builds in mechanisms for minority recruitment and retention, one of our highest priorities.

We also have received a new Patient Outcomes Research Team (PORT) grant for \$5.2 million to do research in schizophrenia. We are the

There are other reasons for hope in this season of renewal. Our grants and contracts are healthier than ever.

a five-year, \$3.65 million grant from the Agency for Health Care Policy and Research, we were able to establish a Center for Minority Health Research. The center will combine the resources of the School of Medicine, the Maryland Department of Health and Mental Hygiene, the Baltimore City Health Department and Advocates for Children and Youth to examine approaches that will decrease the risk for adverse health outcomes among African-American inner city residents, particularly children. We're very proud to have received the grant, as only eight have been awarded nationwide. We're doubly pleased to be able to do something that will make a

only medical school in the country with two PORT awards and a MEDTEP Center award. I fully expect to see our national rankings continuing to improve.

More good news. We can now boast another full-fledged department—dermatology joined the ranks as of early February. We have also begun the search for a new director of our already nationally recognized Cancer Center. We will seek an outstanding clinician/investigator to help us make the Cancer Center into a world-class center for research and clinical care. Dr. Steve Schimpff will serve as interim director until we accomplish our mission.

Our strategic plan continues to take shape, with some of the best and brightest minds on this campus and in the community currently outlining objectives in six areas: curriculum; clinical practice; faculty recruitment, development and retention; graduate education; research; and outreach. To develop its goals and strategies, the task force dealing with outreach interviewed 250 people in the school to see what kinds of outreach were already taking place. We were amazed to discover that faculty, students and staff are involved in about 300 volunteer ventures—everything from medical and referral services for homeless shelters to support groups for parents of children with AIDS. Just think of what can be accomplished when that energy is harnessed with a programmatic approach.

Our capital campaign is also gathering steam. You may look forward to being approached as a graduate very soon. Even now, leadership positions are being identified among our alumni. We will provide an outline of the capital campaign structure in the next issue of *The Bulletin*. In the meantime, this may be an appropriate juncture for a "plug"; I would ask you once again, if you haven't already,

to contribute. Money isn't just the "mother's milk" of politics, as they say. It also allows us to have a stake in our own futures, by continuing an educational process that has endured for nearly 200 years. The overall goal of the Medical Center capital campaign is \$125 million. We are well on our way, but we won't be able to succeed without your contribution.

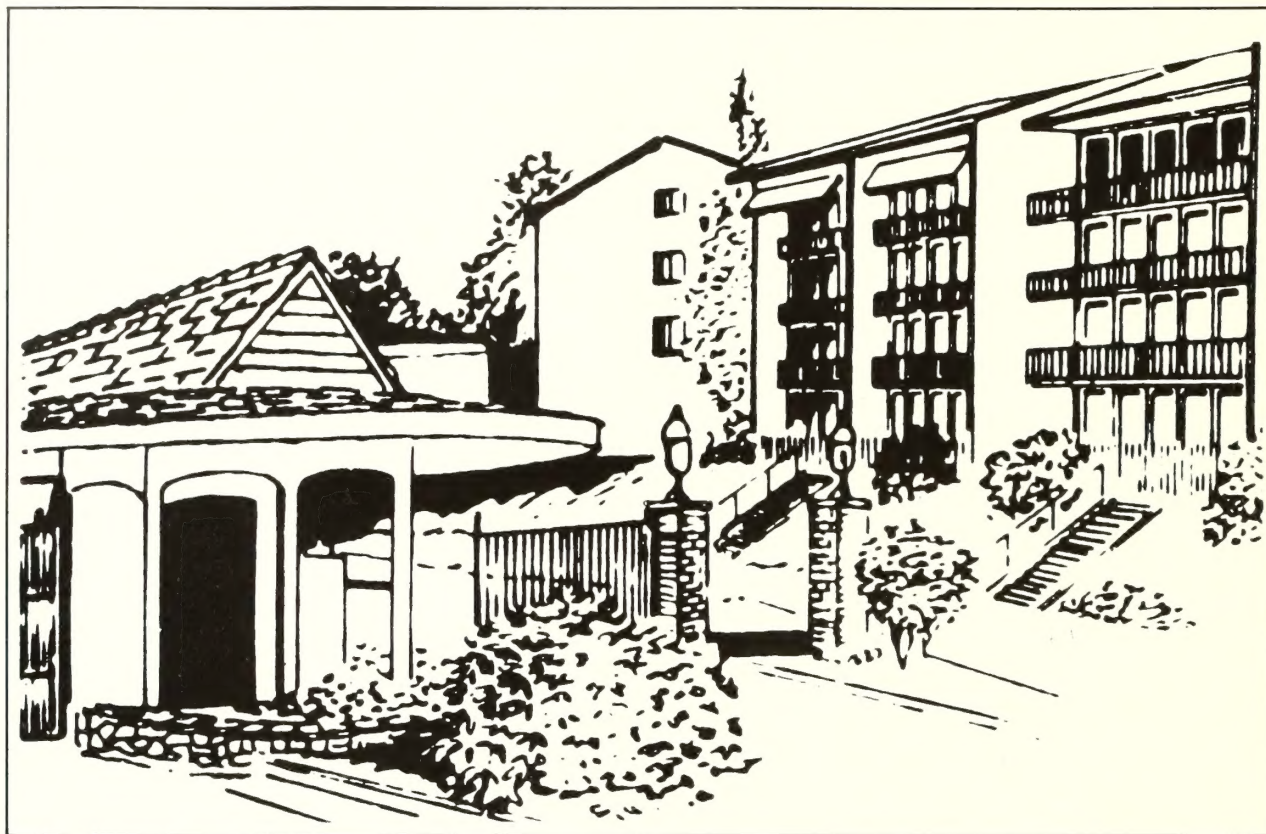
Your contributions as alumni are important in other ways, as well. Your opinions are invaluable to us, and we would hope that you still have a vested interest in the School of Medicine. So please always feel free to let us know what you think. You are our clients—you and the students, faculty, patients, counties and the state of Maryland—indeed, the nation that we serve. Those of us who work for you can't afford not to listen.

Thank you for your continued support.



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NEWS

Center for Minority Health Research will focus on city's children

Researchers at the School of Medicine are the recipients of a much sought-after \$3.65 million grant from the Agency for Health Care Policy and Research. The five-year grant, one of just a handful awarded nationally, established a Center for Minority Health Research. The center will combine the resources of the School of Medicine, the Maryland Department of Health and Mental Hygiene,

There are substantial differences between the health outcomes of African-Americans and nonminority populations.

the Baltimore City Health Department and Advocates for Children and Youth to examine approaches that will decrease the risk for adverse health outcomes among African-American inner city residents, particularly young people.

While a number of reasons for increased risk among minority populations are already known, progress in improving minority health status has been limited. According to Bonita Stanton,

M.D., professor of pediatrics in the School of Medicine and newly named director of the center, "There are substantial differences between the health outcomes of African-Americans and nonminority populations. Reasons for these differences may be financial. This grant will enable us to improve our current knowledge so that future programs will have a more positive impact on minority health outcomes."

The center's objectives has been determined accordingly: to identify interventions which improve the health outcomes of African-American children and youths; to influence local, state and national health policy and program implementation based on these interventions; to advance the methodology for data-gathering, implementation and evaluation of programs involving multiple health outcomes; and to increase the number of minority professionals involved in the health sciences and services.

The latter is a priority for School of Medicine Dean Donald E. Wilson, M.D. "This grant is important for

continued on page 7



Thomas E. Hunt, Jr., M.D. '54; William J. Potter IV, great, great nephew of Nathaniel Potter; George A. Lentz, Jr., M.D. '57; Theodore E. Woodward, M.D. '38

Potter grave marked

On a clear, cold January day, a group of alumni and friends gathered at Lot 96 in Baltimore's Greenmount Cemetery to dedicate a marker at the grave of Nathaniel Potter, who died 150 years ago on January 2, 1843.

One of the founders of the University of Maryland School of Medicine, Dr. Potter is best known in medical history for establishing that yellow fever is not contagious from one human to another. Closer to home, however, he is gratefully remembered as one of a small group of the original faculty who fought for years to wrest back control of the university from the Maryland legislature in the early 19th century.

The legal battles to accomplish this end completely depleted Dr. Potter's fortune and he died a pauper and was buried in an unmarked grave.



With the inspiration and assistance of the Potter family, the Medical Alumni Association was privileged to facilitate this remembrance of one of the chief figures in the history of the School of Medicine.

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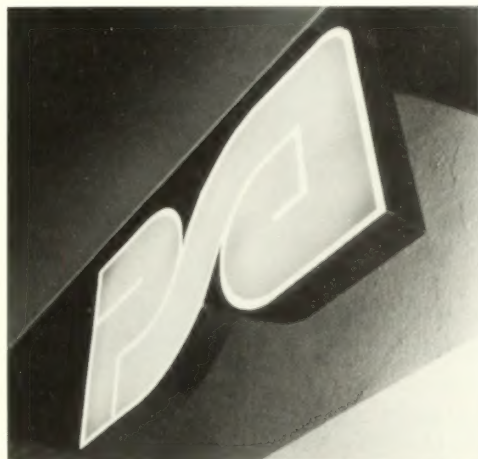
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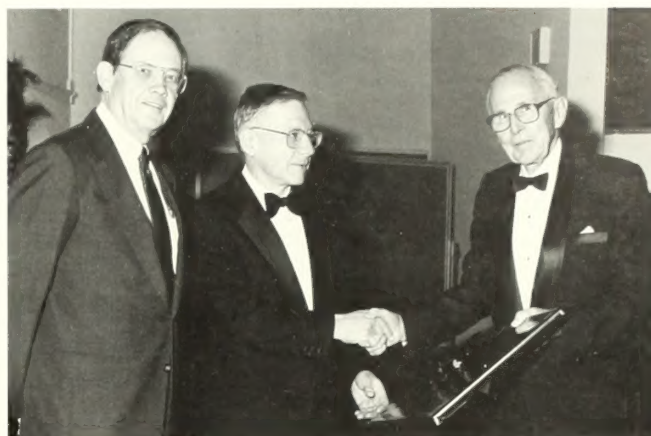
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Distinguished Lectures



*Kenneth Johnson, M.D., chairman, department of neurology;
Dr. Caplan; Theodore E. Woodward, M.D. '38*

The 1992 Maurice C. Pincoffs Lecture was held on Monday, December 7. The speaker was **Louis R. Caplan, M.D. '62**, who spoke on "Occlusive Disease of the Posterior Circulation of the Brain—Lessons for the Future." Dr. Caplan was the winner of the Medical Alumni Association's Honor Award and Gold Key in 1992.



Louis R. Caplan, M.D. '62

Minority Health, continued from page 5

many reasons," says Dr. Wilson. "Obviously, it enhances our efforts to improve the health outcomes of inner city dwellers. More subtle, but equally important, is that it will enable us to recruit and retain qualified minority professionals to work with Baltimore's predominantly minority population. The entire endeavor will more accurately

reflect the face of the city and its problems, thereby making real solutions possible."

Initially, the center will work with pre- and early adolescents, but will eventually expand to all age groups. Clinical services are planned, as is involvement from the University of Maryland at Baltimore law, social work and nursing schools.

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Cardiologists present new research findings at AHA meeting

At the recent American Heart Association meeting in New Orleans, several University of Maryland cardiologists presented their research findings:

New test for early detection of heart disease

A new noninvasive technique using ultrasound to detect coronary artery disease before any symptoms are apparent has been developed by Robert Vogel, M.D., Herbert M. Berger Professor of Medicine and head, division of cardiology, School of Medicine, and Peter Vaitkevicius, M.D., a fellow in cardiology. The new test involves placing one hand of the patient in ice water for four minutes or placing a blood pressure cuff around the arm and inflating it for four minutes. During this time, ultrasound is placed over the brachial artery in the opposite arm.

In healthy patients, the artery in the arm under ultrasound will dilate to accommodate the increase in blood flow from the constricted arm. In patients with coronary artery disease, the artery in the arm under ultrasound constricts, showing signs of arteriosclerosis.

The researchers tested the method on 17 patients, age 40 years or younger, and

were able to correctly confirm the status of 16.

"This new technique shows promise in detecting heart disease early when there is still time to stop its progression and even reverse it," said Dr. Vogel.

Supported angioplasty offers safe alternative

Results from 25 medical centers worldwide show that supported angioplasty is a safe and effective alternative in advanced heart disease when bypass surgery is not an option. During the procedure, patients are connected to a heart-lung machine while balloon angioplasty is performed to open blocked heart vessels.

The results of this study were presented by Dr. Vogel who noted that of the 217 patients followed, 90 percent had severe chest pain before undergoing supported angioplasty, while only 10 percent still had severe chest pain after the procedure.

"Probably more importantly, 77 percent of the pa-

Cardiologists, from page 9

tients were still alive two years after the procedure, which is a very good outcome for patients with this advanced heart disease," said Dr. Vogel. In addition, he said that the heart pumping ability in the majority of the patients also improved.

Diabetes and low HDL put women with heart disease at higher risk of death

Women who have early heart disease are more likely to die sooner if they have diabetes or a low level of high density lipoprotein (HDL), according

to a study by Michael Miller, M.D., assistant professor of medicine and director of the Center for Preventive Cardiology.

The study followed 140 women for up to 15 years. Each was suspected of having some level of heart disease. Of those women who died, researchers looked at possible contributing risk factors, including obesity, high blood pressure, history of smoking, lack of exercise, high total cholesterol levels, low levels of HDL, diabetes and triglycerides.

The most important predictor of death from cardio-

vascular disease in women was diabetes. Women in the study who had heart disease and diabetes were more than four times likely to die over the 15-year period of heart disease than women without diabetes.

The second most important predictor was a low level of HDL. Women with HDL levels below 45 were nearly three times as likely to die from cardiovascular disease than if their HDL level was above 45.

The study also found that nondiabetic women who had a triglyceride level greater

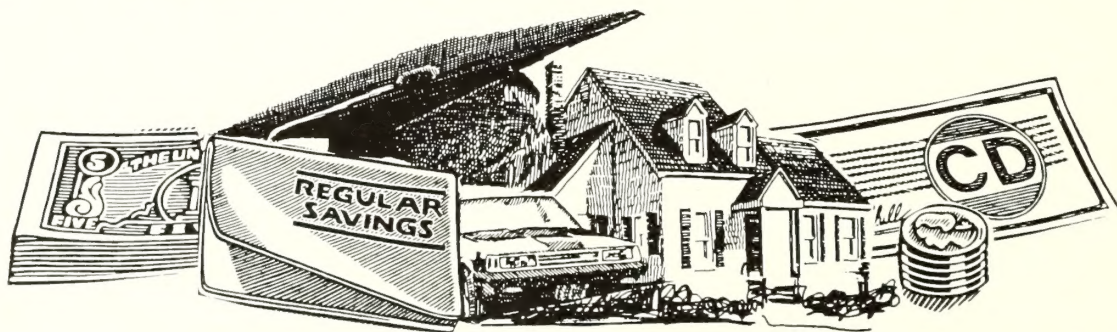
than 150 were two-and-one-half times more likely to die from cardiovascular disease. This is the first study to demonstrate the importance of triglycerides alone as a predictor of cardiovascular death in women, independent of the total cholesterol level.

Beta-blockers may help patients with heart failure

Beta-blockers may cause striking improvement in some heart failure patients when administered in small doses, according to two studies in

continued on page 11

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Cardiologists, from page 10

which Dr. Michael Fisher, professor of medicine, was a researcher.

One study involved 30 patients with known coronary artery disease who had been treated for heart failure, but had persistent symptoms. The other study involved 33 patients with severe end-stage heart failure and markedly enlarged hearts from a variety of causes. These people were extremely ill despite standard treatment for heart failure and had to be admitted to the cardiac intensive care unit on an emergency basis.

"Both studies show that among the heart failure patients there is a group who may show striking benefit when given beta-blockers in small starting doses which are gradually increased," says Dr. Fisher. "We think that we have identified potential predictors of the patients who are most likely to improve, but these findings will need to be confirmed by future studies."

In addition to Dr. Fisher, researchers on the first study were Richard Patten, M.D. and Stephen Gottlieb, M.D. Researchers on the second study also included **David Aiello, M.D. '88, Gary Plotnick, M.D. '66, Mary Hawke, M.D. and Dr. Gottlieb ■**

National schizophrenia study is under way

The U.S. Agency for Health Care Policy and Research has awarded a five-year, \$5 million contract to the Center for Mental Health Services Research at the University of Maryland Medical Center. The contract will establish the Schizophrenia Patient Outcome Research Team (PORT). Researchers from the Johns Hopkins University School of Public Health will collaborate on the project.

"This is the first study of its kind to identify variations in the treatment of schizophrenia and analyze their impact on patients and families," says Dr. Anthony Lehman, associate professor of psychiatry, School of Medicine, who will direct the PORT study. There is no standard approach to schizophrenia, a disorder that affects at least two million Americans.

"As part of the study, we will develop recommendations on the most effective ways to manage schizophrenia, and disseminate them to health care providers and to the general public. We then will measure the impact of these recommendations on patients and practice patterns, as well as on public knowledge and attitudes," says Dr. Lehman ■

*Former Dean
John Dennis reflects on the
new VA Medical Center*

The Dream Comes True

By Nancy Kercheval

During his tenure as dean of the University of Maryland School of Medicine, Dr. John Dennis had a secondary agenda—to see the creation of a new multimillion dollar Veterans Affairs Medical Center affiliated with the University of Maryland Medical Center.

In the past 5-1/2 years, Dr. Dennis, now retired as dean, has watched the seven-story pink-flecked granite building rise out of the underground garage to cover a city block.

He was there for the groundbreaking in 1987, the topping off in 1990 and the opening in 1993. He was a force to be reckoned with during the planning because he was so committed to the project.

Even before the VA Medical Center was a gleam in some architect's eye, Dr. Dennis knew the value of the VA Hospital affiliation for the medical school's students. It was a mutual arrangement that gave students experience and patients superb medical care.

Prior to the 1960s, the University of Maryland and Johns Hopkins split their students between the VA Hospital and Baltimore City

Hospitals. When it came time to sign an agreement to divvy up the institutions for what may be considered exclusive rights, the University of Maryland took the VA Hospital at Loch Raven Boulevard, a former tuberculosis institution that had been stitched and patched over and over again to transform it into a surgical facility.

The following decade, the VA began investigating the need for a new hospital. But the battle ahead would not be an easy one to win. The economy and the Maryland Hospital Association were among the opponents who fired shots at the plan. The MHA thought the VA should buy beds in hospitals suffering from low vacancy rates. And the VA did check out the recommendation.

"The VA did look at Maryland General, but it was an old structure and could not be adapted easily," Dr. Dennis recalled. "Anyway, it wasn't the VA's fault that hospital beds were empty."

So Dr. Dennis and the VA persevered.

Today their vision has become a reality just a short walk across the Baltimore Street bridge that joins the University of Maryland

Medical Center with the VA facility.

"It was a lot of ups and downs," Dr. Dennis concedes sitting in his office on the 14th floor of the Bressler Research Building.

Construction on the original 295-bed Veterans Hospital began in 1949 and was completed in 1952, the year before drug therapy became the treatment of choice for TB.

In January 1967, it was designated a general medical and surgical hospital although its structure did not offer optimum spaces for the new procedures.

President Jimmy Carter approved construction of a new \$80 million Baltimore VA Medical Center in 1980, but budget constraints halted the project the following year.

President Ronald Reagan finally included a \$110 million appropriation for construction of a new hospital in his fiscal 1987 budget. Congress approved. Groundbreaking was June 22, 1987, but instead of the nearly 500-bed facility, the VA reconsidered a down-sized version.

After several starts and stops in the construction schedule, the sparkling \$121 million hospital with its glitzy medical bells and whistles opened to patients on Jan. 24, 1993.

"It is the most sophisticated hospital in the city right now," said Dr. Dennis. "There is no doubt I would seek treatment there."

Today their vision
has become a reality
just a short walk
across the Baltimore
Street bridge that
joins the UMMC
with the VA.

The word apparently spread quickly. The patient population nearly doubled from the original 49 patients within the first week. Hundreds of patients were seeking care at the clinics.

"It will become the hospital of choice for veterans from all over," said Dr. Dennis, predicting they will travel from

all points in Maryland, as well as Pennsylvania.

They will be traveling to a "patient-friendly" hospital with lush green atriums and brightly decorated patient rooms that sharply contrast to the old hospital-green facility.

Bedside terminals allow nurses and doctors to chart their patients' vital signs and progress without returning to the nurses' station in the hallway. An extensive pneumatic system shoots lab specimens and prescriptions to their pre-programmed destination.

In the intensive care unit, two cabinet doors open to reveal a portable stainless steel toilet that pops out for use and retreats back into the cupboard when the patient is finished.

Overhead red LCD monitors sound alarms and flash a message when a patient needs immediate attention.

Lipless showers give wheelchair-bound patients independent access to showers. Overhead a telemetry system consisting of four-point antennas throughout the hospital tracks cardiac monitoring patients out for an afternoon stroll. Any malfunctions recorded by the monitor will be picked up by the antennas which beam back the patient's location and emergency to the nurses' station.

Dr. Dennis said the VA hospital offers an excellent training ground for future doctors. In return, the University of Maryland personnel offer excellent care for the veterans.

Does Dr. Dennis see a mass exodus to the shiny new hospital across the street? "There sure seem to be a lot of people going over there to eat," he laughs.



Doug McDonough

In appreciation of Dr. Dennis' role in bringing the new Veterans Affairs Medical Center to fruition, the VA has dedicated its 175-seat auditorium to him. The Dean John M. Dennis Auditorium, already well-booked for the year, is a tribute to Dr. Dennis' tireless work with the state in collaboration with the University of Maryland Medical Center.

A Moving Experience

Forty-nine patients remained hospitalized in the old VA Hospital on Loch Raven Boulevard when the Jan. 24 moving day arrived.

With the help of 200 military and civilian volunteers, they made it across town to their rooms with views at the new Veterans Affairs Medical Center.

The transport of the patients had been three years in the planning stages. Sunday was chosen in order to avoid weekday traffic jams along the route. Police cleared the path to ensure safe and hassle-free passage between the two locations.

"Most hospitals build new facilities and just move next

transported by ambulances and buses provided by Walter Reed Army Medical Center in Washington. If anything made the move easier, it was the fact that only patients—not massive amounts of fragile equip-

These 49 patients were the first of an expected 9,000 inpatient admissions this year.

ment—had to be moved since the new hospital was fully stocked.

Staffing, however, had to be maintained at both centers



at the old hospital and classes at the new one to familiarize themselves with the layout and the high-tech gizmos that would make their work more efficient and exact. At the same time, 700 volunteers were acclimated to their new surroundings.

At the end of the 20-minute ride from the city's north side to the west side, the patients were transferred to their new rooms—each with a view of downtown Baltimore or the greenery in the atriums.

Patients also found private bathrooms and telephones—luxuries not afforded them at the old facility where they shared a communal bathroom and had to wait for a pay phone to be wheeled into their rooms to make an outgoing call.

George Ellis, 75, one of the first patients in the old facility when it opened in 1952, also claimed one of the



first beds in the new center.

"In its time, it was just as modern as this one," he said.

These 49 patients were the first of an expected 9,000 inpatient admissions this year. The VA expects to provide health care to 25,000 veterans who, in addition to needing inpatient care, are expected to make 240,000 outpatient visits.



door, but we moved several miles," said R. David Edwards, public affairs officer for the hospital.

The patients, some of whom could not walk, were

to bid adieu to the last patient and welcome the first.

For several months prior to moving day, the 1,100 hospital staffers split their time between their work schedules

Radiology goes filmless

The Veterans Affairs Medical Center's radiology department has only a tiny library for storing X-rays. Someday, this room will shrink to extinction.

Wonder how a hospital can operate without a film library? Curiosity has brought physicians from around the world to find the answer.

As a visitor walks into the radiology department the computer screen hums, the mouse clicks and suddenly there is a beating heart, a stretching neck, a rotating wrist or a spinning skull on the screen. The radiologist manipulates the patterns to focus on suspicious smudges and spots.

The gyrations and whirling motions come from the

tens of thousands of pictures. This represents images acquired over five to seven years—the legal limit for retaining records.

"The system holds 100 platters with each platter containing up to 10 gigabytes of information," said Siegel.

Dotted throughout the hospital are work stations instead of the standard light boxes where physicians can call up a patient's images and the accompanying reports from specialists. "We will be making diagnoses from work stations where we can see detail that cannot be seen on film," said Siegel.

The process cuts down on lost films borrowed from radiology and gives simultaneous

tion is paid by the physician who calls up the images on a nearby work station within minutes instead of running down to the radiology department, waiting in line to check out an image and then scurrying to a light box to view it.

"I also expose the patient once and have the computer manipulate the images to bring out the details I need," said Siegel, who called up a chest image and zeroed in on the lungs, then the ribs, the spine and finally a spot which proved to be cancer.

"We make a better diag-

nosis and decrease radiation to patients," he said.

University Hospital will have its own work station so the images can be zapped from one hospital to another.

As more facilities install the filmless equipment, Siegel hopes the Baltimore VA center, with its expertise from university physicians, will become a 24-hour referral service for other East Coast veterans' facilities that do not have round-the-clock staffing of specialists.

"We will be making diagnoses from work stations where we can see detail that cannot be seen on film."

world's first filmless x-ray system. The radiology department accounted for more than one-tenth the total cost of the hospital.

The Picture Archiving and Communications System, called PACS by Eliot Siegel, M.D. '82, chairman of the department of radiology, is run by a Kodak jukebox that plays optical discs—each holding

access to the images by any number of physicians.

"Everybody within the hospital will be able to look at any image on any patient at any time," said Siegel, adding that the hospital network provides a complete medical record of the patient, not just radiology's reports.

From the patient's perspective, more bedside atten-

Make 'em laugh

Laughter is the best medicine, as the saying goes. And the Veterans Affairs Medical Center has taken the advice to heart ♦ The Laughter Therapy Room on the third floor at the southwest corner of the new hospital is a special place for patients who may be suffering from a case of the blues that no pills can cure ♦ Clowns adorn the walls. Silly tapes of Laurel and Hardy, The Three Stooges and Marx Brothers dominate the library for use on the large-screen television ♦ Patients needing some cheering up can also play games, pound out a medley on the piano, swing to stereo music or just gaze out on the city from the oversized picture windows ♦ The room is a gift from the members of the Maryland Free State Post 167 of the Jewish War Veterans who obviously know how to make people laugh ♦

The Triumph of Transplants

Medical Center's Transplant Center Marks Milestones and Rapid Growth

"Congratulations to Your Lung on Its First Anniversary," read a cake presented to Gordon West on February 7, 1993 by his office colleagues. They had good reason to celebrate.

As Maryland's first lung transplant recipient, Mr. West made news immediately after his surgery and now again, one year later. A man who had previously dealt with his severe emphysema by carrying an oxygen tank to work and carefully counting the steps from his car to the hospital door, Mr. West now works full-time, lifts weights, plays golf and is thinking about running again.

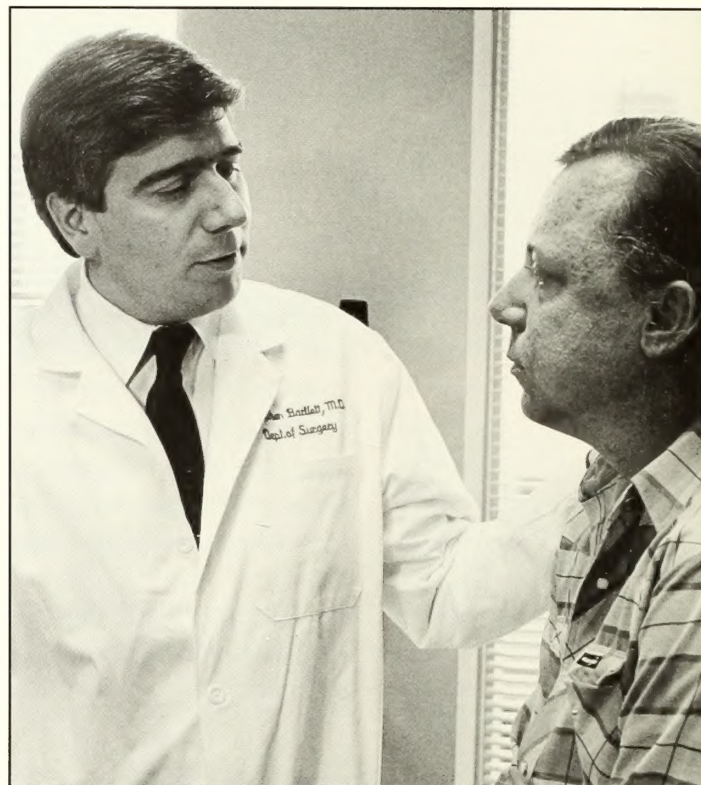
The one-year mark was a significant milestone for Mr. West and the transplantation program at the University of Maryland Medical Center as well. Most lung-transplant mortalities occur within the first year. Mr. West had experienced one rejection episode shortly after the transplant, but was back to work within 5 weeks.

Mr. West's was only one of over 100 organ transplants performed at UMMC's transplant center in 1992—a five-

fold increase in only two years. Under the leadership of Stephen T. Bartlett, M.D., associate professor of surgery and director of transplant surgery, the UMMC has developed a very active program offering kidney, heart, pancreas/kidney, and lung transplants.

The landmark lung transplant surgery was performed by John C. Laschinger, M.D., assistant professor of surgery, with **Joseph S. McLaughlin, M.D.**, '56 professor of surgery and director of cardiothoracic surgery. In the 3.5 hour operation, the surgeons removed the diseased lung and attached the new lung in three stages: the bronchial tubes using telescoping anastomosis to prevent tube damage; the pulmonary arteries; and the pulmonary veins.

The successful lung transplant was not the only "first" for the UMMC transplant center. On February 18, 1993, Dr. Bartlett performed Maryland's first successful pancreas-only transplant on 34-year-old Raymond Rye, diabetic since age 4. In 1991, Dr. Bartlett



Stephen T. Bartlett, M.D., recruited by UMMC in 1991 to lead its multi-organ transplantation program, brought the pancreas transplant procedure to Maryland to treat diabetics with end-stage renal disease.

had performed Maryland's first successful pancreas-kidney transplant and subsequently performed 32 other combination pancreas-kidney transplants in diabetic patients with kidney failure. In addition, six patients had pancreas transplants several weeks or months following a kidney transplant. Mr. Rye's surgery was unique in that there had been no previous or simultaneous kidney transplant.

The pancreas transplant program, a new program for Maryland, is one of the largest of its kind in the country. After transplantation, diabetic patients are off insulin completely—with the complications of diabetes minimized or stopped. Mr. Rye left the medical center on March 6 with a normal blood sugar level and has required no insulin since his transplant operation.

Dr. Bartlett notes that transplant survivals are much

higher now than they were historically. "A physician who trained more than 10 years ago would probably recall that kidney transplants only worked 65% of the time after one year. Now it's closer to 90%. After five years, only 37% would be functioning; now it's closer to 65%-70%.

"We can treat a wider variety of patients now than we could before," adds David K. Klassen, M.D., assistant professor, department of medicine, division of nephrology. "People who were once considered too old or too sick to be transplanted can now be transplanted quite successfully."

Dr. Klassen, who carries in his pocket clinical data on every patient who has had a transplant in the past two years, notes that some transplanted patients are now in their 70s.

"I think one of the strengths of our program is our multidisciplinary approach," adds Dr. Klassen. "A lot of transplant programs tend to be surgically dominated and the surgeons run everything. But here there's a more broad-based support. The internal medicine side has a major role in following patients and evaluating them and assisting in their care. That's a strength."

The UMMC transplant center includes three surgeons, four nephrologists, two infectious disease specialists, two cardiologists, an endocrinologist, an immunologist, and a lot of support staff.

The main challenge in transplantation is, as always, the lack of donors. There are currently 270 people waiting on the kidney list, 75 on the pancreas list, and 10 or 12 each on the heart and lung list.

The shortage of lungs is so severe that only two other surgeries have been performed since Mr. West's. Donor lungs are difficult to preserve and they deteriorate on a

ventilator; the safe ischemia time is less than six hours.

But long waiting lists for transplants may soon be an old chapter in medical history. The pressing need for organs is a hurdle that both Dr. Bartlett and Dr. Klassen feel will be overcome by the end of this decade. The feasibility of xenografts—transplanted organs from animals—is the wave of the future and only just around the corner. When that happens—which the physicians feel certain it will—almost every one who will need a kidney transplant will be able to get one.

"The limiting factor is immunology," says Dr. Klassen. "It's a major problem, but not an unsolvable one. It

will happen—without question."

Dr. Bartlett hopes that new changes in health care policies won't bring any losses to transplant support and research. "Transplantation is one therapy that is very likely to restore a previously employed individual back to an employment level. Other, more expensive therapies may prolong life but may not extend one's ability to contribute to society. Transplant patients undergo radical improvement in their sense of well-being," he adds. "That makes it very exciting."

Dr. Bartlett's case is well supported by Mr. West who, since returning to his job five weeks after his lung transplant, has not missed a day of work—except for scheduled follow-up visits.

Having fought an initial rejection response shortly after the surgery, Mr. West's only discomfort now is a 30-lb. weight gain—the result of chronic prednisone therapy, now being tapered. "I'm carrying 180 lbs. on a 150-lb. frame," says West. "But even that hasn't been real detrimental. I get 20 more yards on my golf drive."

Mary Love

The Transplant Center of the University of Maryland Medical Center is located at 29 South Greene Street in new facilities directly across from University Hospital ● In one visit, patients see surgeons, have tissue typing completed and get placed on a waiting list ● The center is associated with Maryland's Transplant Resource Center, a private non-profit organization that coordinates all organ and tissue donations and transplantations in the state and maintains a waiting list of people who need organs ● To consult with Dr. Bartlett about transplantation candidates, call the University Physicians Consultation and Referral Service, 1-800-492-5538 ●

Country Doc



Brian Hasslinger, M.D. '83 is shivering as a blustery wind kicks up snowflakes during his stroll across his 92-acre spread in Finzel, Md.—and he loves every minute of it. He pulls off his suede work gloves and shakes hands. These are not the hands of a farmer who has weathered a cold winter in Garrett County; more the protected, soft, callous-free steady hands of a surgeon.

Inside his renovated brick farmhouse where the coffee is perking, his son Garrett (the toddler was named before the family moved to Garrett County although he takes a lot of ribbing from friends) is pushing around his car and 10 ducklings are quacking in the first floor bathroom because the basement is too cold for the young birds.

Once grown, the ducks will be reassigned to the farm's pond, just as Dr. Hasslinger, also grown since he has left his residency program at the University of Maryland, reassigned himself to the life of a country doc in Western Maryland.

Dr. Hasslinger directs his four-wheel drive Bronco up

the incline to the top of his own mountain. He takes a deep contented breath. With the cold wind painting a rosy hue on his cheeks, Dr. Hasslinger truly is in his element. Just the beauty of his own rolling hills seems to mesmerize him for a brief moment.

Dr. Hasslinger bought an old farmhouse, envisioning

Just the beauty of his own rolling hills seems to mesmerize him for a brief moment.

the splendor of living in it once the renovation work was complete. Through his eyes, he convinced his wife Claire that their home could be a showplace with just a little work. After spending several months in cramped quarters while the house was being completed, Dr. Hasslinger took his bride and their new baby home.

He could just as easily be a farmer. When he started college, Dr. Hasslinger set his

sights on becoming a horticulturist. "I love growing things," he says. That's pretty obvious by the hundreds of tree seedlings he has planted, and the numerous plots he has dug up for planting the spring crops.

Yet, medicine lured him into the fold, and surgery, in particular, captivated him.

A solo ear, nose and throat practitioner, Dr. Hasslinger covers the 17 miles to work in 18 and one-half minutes. Only one red light stands between him and the Allegany County hospital perched high on a hill in the town.

On his first day of practice at Cumberland Memorial Hospital, Dr. Hasslinger was greeted with a clientele of 12 people lining the waiting room. A notice announcing the arrival of a new E.N.T. physician had been placed in the local Cumberland newspaper. A few brave souls—ranging in age from six months to 97 years—ventured into this outsider's office to check out the new doc.

Dr. Hasslinger's typical office day begins about 7 a.m. and ends at 6:30 p.m. But almost every night and on weekend days, he can be

found working outside until darkness settles or until he becomes so tired he begins to get careless. Even with all the farm vehicles he has accumulated to make farm-work a little easier, there is so much work to do, it consumes most of his free time.

Dr. Hasslinger's neighbors watch his progress on the farm. He is ever so careful to protect his hands—the primary tools of his trade. He wears heavy gloves to protect against calluses and other injuries. He curses a small wound on his hand—the result of pinching his skin in a pair of pliers.

Occasionally a patient drives by and drops off a bag of candy, or some other token of gratitude for Dr. Hasslinger's help.

"I'm not sorry," says Dr. Hasslinger. "I think I made the right decision."

Nancy Kercheval

Sojourns

Do you have an unusual hobby, avocation, collection or experience to share? Write and tell us about it! Copies of clippings from other publications are fine, or just send a summary of a page or so. From time to time, we will select a submission and publish a story.

“Just a little of that human touch . . .”

Yes, Virginia . . . there is a human element detectable among the chemical ones that members of the medical school community are usually more familiar with, and it's alive and well at the University of Maryland School of Medicine.

The Human Dimensions in Medical Education (HDME) program sees to it by providing opportunities for relationship-building among students, faculty, residents, alumni and significant others. These relationships not only form a cornerstone of support throughout a student's years in medical school, but often lay a foundation of friendship for life.

Begun at the Center for Studies of the Person in California, the HDME program is now an integral part of campus life at a number of the country's medical schools. In 1975, convincing potential participants to embrace a program that, at first blush, seems to some “touchy-feely,” fell to **Murray Kappelman, M.D. '55**, associate dean and professor of pediatrics in the School of Medicine. Dr. Kappelman recalls that the concept was very well-received. “I believe we had about 20% of the incoming class attend our first retreat,” says Dr. Kappelman, “and we've drawn between 25 and 40%

each year since.” That's 16 years since.

The purpose of the program is a simple one: enhance the relationships among medical students in different years, between students and faculty and between both students and faculty and their significant others. To find himself referred to as the latter was a source of considerable amusement to John Keller, who attended that first retreat in 1977 with **Laurie Zimmerman, M.D. '81**, now his wife. “Is that still the term they use?” he laughs. “I remember trying to decide if I should go or not. Being Catholic, I had been on my share of retreats and found them to be positive experiences. I figured this would be secularly, if not religiously, rewarding and it was. Laurie and I developed a core group of friends that we have to this day, 12 years after she graduated. We've watched our kids grow up, had parties together and still exchange

Christmas and birthday cards. It was good support for both of us.”

The “significant other” sobriquet is also a reminder of a favorite story for S. Michael Plaut, Ph.D., assistant dean for student affairs who, along with its student partici-

balance professional demands with personal needs. One group was keenly aware of this and wanted everyone else to know. Doug Helfman, spouse of Marcia Schwartz, M.D., and a member of this particular group, suggested they add a “B.”



pants and faculty, now runs the HDME program. “A key element of our retreats is the small group discussions, 10 to 12 people, with significant others assigned to groups different from their partners’. It's tough sometimes for these people because much of the talk is unavoidably medical, at home and at the retreat. But it helps to have a sense of humor about it and to realize that as a significant other, you have an important role to play in helping your partner

after the “S.O.” (for “Significant Other”) on their name badges, so it would read “S.O.B.” Doug explained that it stood for the “Sense of Balance” they provided.

That's essentially what the program is about. Not only are the yearly retreats an opportunity for sharing war stories and mutual concerns; letting off steam is definitely in order, as well. Swimming, biking, volleyball, water skiing, horseback riding and golf are usually on site or nearby, and evenings include parties, dancing and a skit

BY VICKI STRITTMATER

Human Touch, cont.

night. Having the retreat in a location that allows work and play is no accident, and Dr. Plaut theorizes that the combination of structured and unstructured time contributes to the retreat's success.

"Those in attendance give themselves permission to escape. That's why we go to Western Maryland. Everyone needs to get far enough away from their beepers." Relationships formed through HDME appear to be the most satisfying common denominator the program offers to

alumni contributions help defray expenses for students to attend the annual four-day retreat, the students and faculty must pay their own way. There is the strong sense from all connected with the program that this makes the experience more meaningful; those who attend really want to be there.

The key to the HDME program's success seems to be in establishing a connection with students early on and nurturing it. It doesn't matter what a student's per-



one wanting to bridge the gap between his or her personal and professional lives. It allows you to tie home to school, so you don't have to try and live a double life. My classmates even know my kids because we take them to parties."

For second-year student and HDME secretary Lance Miller, the program eased his way into school. "I was very apprehensive coming here. The HDME program allowed me to meet lots of people, many of them classmates, in a social atmosphere. Because of the HDME orientation, I already knew people by their first names. For me, the first day of class was enjoyable, not stressful." Donna Osikowicz, Class of '96, agrees: "When I came here from New York, I didn't know anyone. This was a

great way to form friendships. That's why I'm such an advocate of HDME." Even veteran physicians recall their HDME experiences vividly and fondly. **Peggy Vaughan, M.D. '83**, an local internist specializing in industrial preventive medicine says, "I think going to medical school is probably one of the more stressful things you could do. I would have had a tough time without the HDME program. With it, I came to school my first day and found a sea of friendly faces. The program is essential to making students realize that there's more to medicine than science."

All students participate in the School of Medicine's advisory system, which is organized in groups of four to six students from each class and

continued on page 21

"Those in attendance give themselves permission to escape. That's why we go to Western Maryland. Everyone needs to get far enough away from their beepers."

all. Dr. Kappelman echoes John Keller: "I get pictures of children, phone calls from Hawaii. I've met some outstanding students and made some great friends." Adds Dr. Plaut, "My wife Judy and I had dinner with Laurie Zimmerman and John Keller, who were living in Reno at the time, in Lake Tahoe two years ago. People really do keep in touch."

Though designated

sonal situation is; there's something for everyone.

First-year student Michael West was a registered nurse for eight years before deciding to become a physician. His family already had an idea of the commitment a career in medicine necessitated, but the rigors of medical school brought new challenges, such as staying up late on a regular basis. "The HDME program is essential for any-

Human Touch, cont.



two or three faculty advisors for each group. Typically, a third of those groups participate in HDME, and are represented at the pre-orientation retreats. Incoming freshmen attending the retreats are

Swimming, biking, volleyball, water skiing, horseback riding and golf are usually on site or nearby, and evenings include parties, dancing and a skit night.

assigned to groups containing their advisors, as well as upperclass students, so the likelihood of continuing the relationships formed at that first retreat is a strong one. No one is set adrift between retreats, though; brown bag

lunches and potluck dinners are scheduled throughout the school year, with alumni and significant others often in attendance.

Peg Kaiser, M.D., started an HDME program as a sophomore at the University of Oregon, did her residency here and has been involved with the program ever since as a small group co-leader. Now the only boarded internist in Garrett County, thinking of her HDME experiences causes Dr. Kaiser to sigh longingly. "When one has had the kind of day like I've had, one yearns for the peace and solace of the HDME program."

Contributions to support the Human Dimensions in Medical Education program can be made through the Medical Alumni Association.

REUNION

May 6-9, 1993

Not your year, you say? In addition to honoring Reunion classes, the weekend has events for all alumni, faculty and friends of the Medical Alumni Association and the School of Medicine, including:

Thursday, May 6 ■ 7-10 p.m.

CRAB FEAST CRUISE

An old-fashioned Maryland crab feast on the Bay Lady for \$30 per person.

Friday, May 7 ■ 11 a.m.

SCHOOL OF MEDICINE UPDATE

Dean Wilson will bring us up to date on activities and issues of critical importance to the school.

12 noon

CLASS OF '68 SCIENTIFIC UPDATE

A CME review of current research by our Silver Anniversary class followed by a wine and cheese reception

Saturday, May 8 ■ 10 a.m.

ANNUAL BUSINESS MEETING

This is your chance to hear a report on the activities of your Association and to elect new officers.

11:30 a.m.

VA CENTER TOUR

See the newest clinical facility on campus with its state-of-the-art technology

6:30 p.m.-midnight

DINNER DANCE

Join us at Stouffer's Harborplace hotel for an evening of camaraderie and nostalgia.
\$70 per person

Sunday, May 9 ■ 10:30 a.m.-1:30 p.m.

CAMDEN YARDS BRUNCH AND TOUR

After a brunch in the exclusive Camden Club, tour Baltimore's pride: the year-old home of the Orioles.
\$22 per person

For more information or to make reservations, call the Medical Alumni Association at 410-706-7454.



Class Notes

1938

Theodore E. Woodward of Baltimore was chosen by the College of Physicians of Philadelphia to deliver the 89th Mutter Lecture, its oldest, on November 11 when he discussed the history of yellow fever in observance of the bicentennial of the 1793 epidemic.

1943D

Henry T. Brobst of Roanoke, VA retired last September. He and his wife Muriel have two children and four grandchildren. **Glenn O. Summerlin** of Gainesville, FL retired in June 1992.

1944

S.A. Taylor Morrow continues working as medical director at Electronic Data Systems. **Harry F. Rolfes** of St. Petersburg, FL retired from private practice in 1989 but teaches part-time at the University of South Florida where he is an assistant clinical professor of ophthalmology. He plans to attend his 50th reunion in 1994.

1946

Lawrence J. Knox of Gibney, IL retired from nuclear medicine and is semi-retired from his medical practice.

1947

B. Stanley Cohen of Baltimore was recently honored by the American Academy of



Physical Medicine and Rehabilitation with its Recognition Award for Distinguished Clinicians.

The award, presented at the academy's annual business meeting in San Francisco, honors physiatrists who have achieved distinction through teaching and outstanding performance in patient care.

Elizabeth L. Coultas of Morristown, NJ writes that retirement is enjoyable. **E.**

Anne D. Mattern of Rockville, MD is retired from her practice of medicine but is very active when it comes to sports, gardening, family and community. Not bad (to say the least) for someone who had hip replacement 3 1/2 years ago. **W.F.**

Schnitzker of Ashland, KY works locum tenens seven to eight weeks a year since retiring from a 42-year pediatrics practice in 1989.

1950

Norman E. Rudy of Santa Monica writes that it was a privilege to dine with classmate **L. Guy Chelton** and his

wife Barbara when the Cheltons were in California.

1951

Benjamin D. Gordon of Westport, CT is semiretired, but busy with a part-time occupational medicine practice and as a consultant in the cosmetics industry. **Dorris M. Harris** of Los Angeles continues working as a medical director in the county department of health services. **Earl B. McFadden** of Greenville, SC celebrated his 70th birthday last August.

1952

Norton Spritz of New York City received a law degree in 1987, is a member of the Association of the Bar of the City of New York and serves on the Ad Hoc Committee on AIDS.

1953

James E. Boggs of Ivydale, WV writes of his pride in having graduated from the University of Maryland School of Medicine and his hope that his grandson will follow in his footsteps. **L.R. Miles** of Lonaconing, MD is retired but continues to be the medical director and principal physician at the Egle Nursing Home. **Lewis C. Richmond, Jr.** of Savannah retired from family practice last July and currently is the executive

director of EXCEL, a long distance telephone company. Dr. Richmond writes that residual income makes retirement a lot more interesting.

1954

Jerome E. Shapiro of Baltimore has been the Social Security Administration's chief of mental health in its disability office since 1989. **K.H. White, Jr.** of West Hartford, CT apprises us that his youngest daughter Jennifer is an MSI at the University of Connecticut and that his son-in-law William Pennoyer is a surgical resident there.

Roderick E. Charles of Buffalo, NY is a recent American Psychiatric Association life fellow.

1955

Norman W. Lavy of Westfield, NJ joined the staff of E.R. Squibb and Sons, Inc. in 1966 as director of the professional services department and recently retired from what is now Bristol Myers Squibb Co., where he had served as vice president and senior advisor on medical and regulatory affairs since 1972. Dr. Lavy served as liaison between Squibb and the Food and Drug Administration. **Frank Nataro** writes that his son **James '87** is an assistant professor of pediatrics at the UMAB

School of Medicine and does research at the Center for Vaccine Development. **F. Richard Walton** of Crown Point, IN is happy, content and busy.

1956

Samuel J. Mangus of Yorktown, VA retired from the Army as deputy commander of the Army Medical Center in Tacoma, WA in 1978 and from civil service as chief of the department of primary care and community medicine in January 1991. Dr. Mangus participates in the hyperbaric medicine program at Ft. Eustis, VA.

Charles Sanislow of Midland, MI practices general and vascular surgery and serves on the Midland Michigan Medical Center's planning committee.

1957

Sebastian J. Gallo of Wethersfield, CT informs us that his oldest son David is completing his last year of internal medicine at Case Western University Hospital and will begin a fellowship in cardiology at the University of Maryland in July and that second son Stephen graduated from New York Medical College and is a resident in urology at the West Chester Medical Center.

1958

John J. Merendino of Rockville, MD announces that his son John, Jr., a graduate of Yale Medical School, has joined his practice as a part-time internist and endocrinologist.

1959

Gilbert H. Isaacs of Pittsburgh is an associate professor of radiologic services at the Medical College of Pennsylvania and is a past president of both the Pennsylvania College of Nuclear Medicine and the Pittsburgh Chapter of the Society of Nuclear Medicine.

1960

C. Earl Hill of Pasadena, MD, associate professor of family medicine at the School of Medicine, was elected national vice president by the American Academy of Family Physicians congress of delegates and was selected by the Council of Medical Specialty Societies to serve as its representative to the Accreditation Council on Graduate Medical Education. **Jerome M. Reed** of Potomac, MD was recently elected by the Capital Area Permanente Medical Group to serve as chief of service, obstetrics and gynecology for Montgomery County.

1962

Robert B. Bokar of Hilton Head, SC writes that daughter Julie received her master's in fine arts last May, daughter Suzy is working on her master's in health administration at the University of New Hampshire and daughter Tanya is in Crested Bank, CO after graduating from the University of Colorado.

1963

Neal J. Prendergast of Las Vegas writes that his wife Joy received her bachelor of fine arts degree from the Univer-

sity of Las Vegas and was chosen Art Student of Year 1991 and that their son Neal, Jr. is a second year urology resident at Duke.

1964

Edgar V. McGinley of Summit, NJ and his wife Barbara became grandparents for the first time in June.

1965

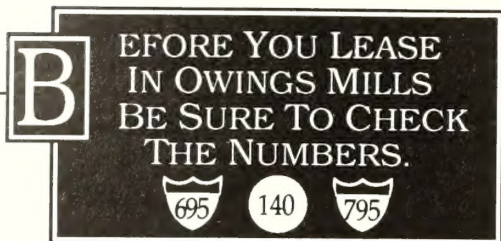
Jeffrey L. Brown is a clinical associate professor in pediatrics and psychiatry at the New York Hospital, Cornell

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University Medical College. Dr. Brown has had three books on "pediatric telephone medicine" published and is a lecturer on that topic. He also edits *Child* magazine.

David R. Harris of Campbell, CA writes that inasmuch as the kids have all left and one dog died, he and his wife Carole are "getting there!" **Frederick S. Herold** of Hollywood, FL is chief of the department of medicine at the Memorial Hospital in West Florida and writes that his son David is now a third-year medical student at the University of Florida in Gainesville.

1966

William O. Harrison of San Diego is enjoying his second 25 years of infectious diseases practice. **Ernesto Rivera** of Baltimore has opened a new office at Ronville Medical Center in Towson and joined the Franklin Square Hospital teaching faculty. He practices there and at Mercy Medical Center.

1967

Joel E. Goffman of Houston writes that both of his sons are graduate students at Harvard and that his wife Penny is in a Ph.D. program. Dr. Goffman is a vice president of the Medical Alumni Association. **Elisabeth E. Kandel** of Broomfield, CO

has a daughter who is a freshman at Yale. **Lawrence M. Tierney, Jr.** of San Francisco finds that teaching internal medicine in Japan on an eight-month sabbatical is enjoyable; he recommends it highly to physicians who can spare the time.

1968

Abraham A. Litt of Norwood, MA completed a term as chairman of the department of obstetrics and gynecology at the Norway Hospital last year and is a clinical instructor at the Harvard Medical School.

Leon Reinstein of Baltimore is the associate medical director of the Sinai Rehabilitation Center in Baltimore, and was elected president of the 4,000-member American Academy of Physical Medicine and Rehabilitation at the annual meeting in San Francisco. **M. Riddlesberger** of Orchard Park, NY recently made a successful trek to the base camp of Mt. Everest at 18,000 ft. **Alice S.**

Tannenbaum of New York specializes in pathology/blood banking, is the medical director of Smith Kline Beecham Clinical Laboratories in White Plains and serves as staff pathologist at the Lutheran Medical Center. She and her husband Douglas Nemens have two children in high school and the

family finds relaxation skiing and white water rafting in Alaska. **Jon M. Valigorsky** of Pittsfield, MA practices pathology and hematology at the Berkshire Medical Center and sits on the boards of trustees of that center, its parent corporation, Berkshire Health System and the Berkshire chapter of the American Red Cross.

1969

Roberta M. Braun of Severna Park, MD practices pediatrics and sends word that her husband **Martin III '70**, a Washington, DC dermatologist, recently completed a two-year term as president of the American College of Mohs' Surgery. She and Martin have three children, all attending Princeton University.

1970

Juan M. Pardo of Arnold, MD apprises us that his son Juan Michael Pardo is an MSII at the University of Maryland. **Robert I. White** of Westfield, MA writes that he and his wife Marion have a son at Trinity College in Hartford, CT, a son who is a freshman at Tufts and a daughter in high school.

1971

E.W. Lampton, Jr. of Hagerstown, MD has two daughters who attend college in Baltimore. Courtney is a sophomore at Goucher and Jill is a freshman at Loyola. **Michael J. Maloney** of Cincinnati presented his award-winning paper, "The Prevalence of Dieting Behavior and Atypical Eating Attitudes in Children," at the American College of Nutrition's 33rd annual meeting in San Diego after having been chosen recipient of the prestigious Gerber Award for excellence in research. Dr. Maloney is director of child psychiatry and psychology at Children's Hospital in Cincinnati and associate professor of psychiatry and pediatrics at the University of Cincinnati College of Medicine. **Harvey M. Tompakov** of Lauderdale Lakes, FL was recertified as a diplomate of the American Board of Family Practice in 1990 and serves as president and CEO of a multispecialty group in Lauderdale Lakes.

1972

Charles J. Schleupner of Roanoke, VA is a professor of medicine at the University of Virginia Health Services Center and chief of medical service at the Veterans Affairs Medical Center in Sa-

lem, VA. **Gerald V. Smith** of Concord, NH practices pediatric radiology, interventional radiology and general diagnostic radiology. Dr. Smith and his wife Catherine have three children and the family enjoys living in northern New England except that they "still miss hot, steamed hard crabs."

1973

Bruce L. Beck of Prince Frederick, MD, his wife Terri and their 22-month-old daughter Rachael announce the birth of their son and brother William Gregory on October 2, 1992. **Robert G. Kirkwood** and his wife Mary Ellin have a daughter, Anne Rebecca born January 6, 1989 and a son, R. Benjamin, born August 29, 1990. **C. Peter Erskine** of Madison, WI segued into emergency medicine while doing a pediatric residency at the University of Wisconsin at Madison, and spent 18 years promoting emergency medicine. Dr. Erskine chairs the department of emergency services at St. Mary's Hospital in Madison, is on the faculty of the University of Wisconsin, co-parents three children with his wife Lyn Opelt, a criminal prosecutor, and tries to find time for his interests of sculpting and stained glass. **Murray Kalish** of Baltimore is the 1993 treasurer of the Baltimore City Medical Society.

1974

Barry S. Gold of Baltimore is a national authority on the treatment of venomous snakebites and is retained by the National Aquarium and City Zoo in Baltimore as a consultant. Dr. Gold is the medical director of Medicare Maryland.

1975

Robert A. Vegors of Jackson, TN is the president-elect of the West Tennessee Consolidated Medical Association, a Tennessee Society of Internal Medicine council member and newsletter editor, an alternate delegate of the Tennessee Medical Association and state delegate to the American Society of Internal Medicine national meeting. Dr. Vegors became board certified in geriatric medicine in 1992.

1976

Michael C. Hoffman of Wheaton, IL is president of the Central Dupage Hospital medical staff and past president of the Glen Ellyn Clinic, the multispecialty group he belongs to. **Harry C. Knipp** of Reisterstown, MD has been named as a fellow of the American College of Radiology by its board of chancellors for his outstanding contributions to the field. Dr. Knipp is president-elect of

the Medical Alumni Association. **Robert D. Mathieson** of Baltimore is beginning his 10th year as assistant chief of gastroenterology at the Union Memorial Hospital in Baltimore. He and his wife Diane are active in the Baltimore County PTA. They have two children, ages 12 and 14. **Lee S. Simon** of W. Newton, MA is an assistant professor of Medicine at the Harvard Medical School and an assistant to the president for medical education at the New England Deaconess Hospital in Boston.

1978

Sandra S. Isbister of Ellicott City, MD works in Columbia, MD where her subspecialty to her specialty of radiology is high risk OB ultrasound and she is a regular participant in the fetal anomaly/maternal management conference held weekly at the Johns Hopkins Hospital. Dr. Isbister and her husband John B. have two children, Steven who is 9 and Gillian who is 7. **Nancy Lord** of Atlanta completed law school since medical school and then became involved with the ACLU and the Libertarian

Party. She ran for mayor of Washington, DC last year and was on the ballot for vice president last November on the Libertarian ticket.

1979

Bruce D. Behounek of Yardley, PA became the Director of cardiovascular clinical research at Bristol Myers Squibb. **Max Koenigsberg** of Chicago writes that he is medical director of the emergency medical service in the Chicago system and is beginning his ninth year at the Illinois College of Emergency Physicians, where he serves on the board of directors and chairs the Emergency Medical Service Committee. **H.R.**

Wright, Jr. of Durham, NC relocated there recently after being appointed chief of pediatric otolaryngology at McPherson Hospital.

1980

Wayne E. Cascio of Chapel Hill, NC spent last summer in the laboratories of Andre Kleber, professor of physiology, at the University of Berne, Switzerland doing collaborative experimentation and investigation of the importance of diffusion of carbon dioxide at the border zone of infarcting heart tissues for the development of life-threatening abnormal heart rhythms. This investigation was supported by a

grant from the Roche Research Foundation of Switzerland. **Joseph P. Crawford** of Vero Beach, FL, his wife Cynthia and their 2 1/2-year-old son Kevin Putnam announce the birth of their daughter and sister Katharine Marie on July 30, 1992. **Richard M. Galitz** of North Miami Beach is an associate clinical professor of facial plastic surgery at the University of Miami. Dr. Galitz and his wife Lynda have a 15-month-old daughter named Zoe and all three anticipate the birth of another child in April.

Christjon J. Huddleston of Salisbury, MD is in a private practice of internal medicine with a partner and on the faculty at the Eastern Shore campus in the department of physical therapy. **Paul E. Whittaker** of the U.S. Army serves as division surgeon for the most forward deployed army division in Europe and offers lodging to all classmates who plan to visit Germany. **Robert J. Ginsberg** of Burtonsville, MD assumed the Silver Spring family practice of Dr. Bennet Porter in January 1992. Dr. Ginsberg will practice solo.

1981

Leigh Giannandrea of Ellicott City, MD and her husband **Paul '79** celebrated the birth of their third child, Vincent Paul, on April 1, 1992. **Karen R. Kingry** of

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Columbia, MD is a pediatric specialist in the emergency department of Holy Cross Hospital in Silver Spring. She and her husband Reid Fitzgerald have two children, 5-year-old Karina and 3-year-old Dylan. **David G. Rorison** of Baltimore, who graduated from the Fox Chapel Area High School, Pittsburgh in 1972, was recently named a distinguished alumnus of that school and added to its Alumni Hall of Fame.

1982

Christopher M. Aland of Newtown, PA practices orthopedics privately and is the head of Athleticare, a comprehensive sports medicine program in Bucks County, PA. Dr. Aland still runs but no longer in marathons.

Guillermo W. Arnaud of the U.S. Army was certified by the American Board of Surgery in April 1992. **Thomas W. Conway** of Newport, TN has been practicing family medicine solo since last July. **Joseph W. Gattuso, Jr.** of Duncansville, PA is an interventional cardiologist practicing in Altoona, PA and he and his wife Ann have three children—Meghan, 6; Erin, 2; and Joseph, 7. **J. Phillip Hall** of Altoona, PA became recertified in family practice in 1991. He, his wife Paula and their four daughters moved back to Pennsylvania in 1991 and the family is enjoying living near relatives again.

Phil shared his expertise in sports medicine with the Olympic bike trials held in Altoona last year and is the local high school team physician. **Emilio S. Vazquez** of Great Mills, MD was officially recognized for meritorious performance at the Naval Hospital in Patuxent River, MD when he was decorated with the Navy Commendation Medal.

Abrahman Auerbach of Israel has been practicing ophthalmology in the suburbs of Jerusalem since October 1991, when he and his family moved there from Baltimore. **Mary I. Jumbelic** of Peoria, IL received regional notoriety when a local newspaper did a story on her career in forensic pathology. She and her husband Dr. Marc Safran, their two children and her mom enjoy Midwestern living. **Neil W. Randall** of Danville, PA added board certification in geriatrics to those in internal medicine and gastroenterology. Dr. Randall is a fellow of the American College of Physicians and the American College of Gastroenterology. **Ronald H. Schuster** of Owings Mills, MD has been awarded a grant from the American Society for Aesthetic Plastic Surgery to investigate facial blood supply and

face lift techniques by comparison. **Kevin L. Snyder** of Abingdon, MD is busy practicing internal medicine solo in Belair and he and his wife Patricia have three daughters—Lauren, Jennifer and Rachel. **James D. Spiegel** of Scotts Valley, CA is a fellow of the American Academy of Orthopaedic Surgeons and the American College of Surgeons.

1983

Michael W. Wingo of Champaign, IL specializes in internal medicine/cardiology and is on the faculty of the University of Illinois College of Medicine. He and his wife Joan have three children—Kris, 5; Lauren, 4; and Stefan,

Richmond P. Allan of Owings Mills, MD is joining two other internists in practice. Dr. Allan and his wife Sevlhee Ahn have a 16-month-old daughter named Rachel. **Steven L. Friedman** of Baltimore and his wife Carolyn announce the birth of their second child,

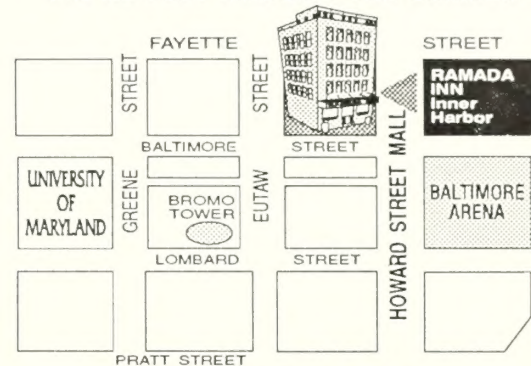
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Alexandra Nicole on July 8, 1992. **Earlene Jordan** of Bethesda is a Med Chi delegate and she and her husband have two children—2-year-old Melissa and 6-month-old William.

Victoria Mossman-Van Endenburg of Bloomington, MN works part time for an HMO in a clinic and hospital setting. She started an HMO "hospital internist" program that ensures an internist will be on duty for in-house ER admissions and to provide care for in-house patients on an urgent basis so that physicians don't need to leave clinic. Dr. Van Endenburg

recently finished a 6-month rotation. She and her husband John have two daughters—Deborah Jane, 2 1/2, and Hannah, 7 months.

1986

Samuel R. Akman of Baltimore and his wife Lisa have a new son, Ryan Edward, who was born August 13, 1992.

Leslie Bryan Forgosh of Winterville, NC completed a fellowship in cardiology, was appointed assistant professor of cardiology at the East Carolina School of Medicine and became the husband of Virginia Pines last September.

Giles H. Manley of Phoenix, MD and his wife Julie have two daughters—Sara Ann, born April 12, 1991, and Cassidy Phylis, born April 17, 1992. **Samuel Bennett**

Miller of Owings Mills, MD and his wife Marcella announce the birth of their second child, Katelyn Amanda born March 19, 1992. **Gregory K. Morrow** of Panama City, FL and his wife Nicole will be parents for the second time in March and will continue residence at Tyndall Air Force Base until July 1994 when Dr. Morrow is due to separate from the service.

David W. Oldach of Towson, MD completed a residency at Massachusetts General and a fellowship at Johns Hopkins Hospital and returned to the School of Medicine, where he is an assistant professor of medicine in the division of infectious diseases. Dr. Oldach's wife Toby Ritterhoff is becoming a partner in an obstetrics/gynecology practice and their two daughters Laurel and Phoebe are "as punky as ever."

1987

Robert H. Baker of New York City completed a fellowship in eyelid surgery and neuro-ophthalmology at the University of Minnesota following a residency in ophthalmology at the Mayo Clinic and has started practicing in

New Rochelle, NY. Dr. Baker's wife Julie Knisbacher is a resident at the New York Eye and Ear Infirmary. **Betty A. Kyser** of Ellicott City, MD and her husband Ken R., D.D.S. announce that their son Cory Russell was born on March 21, 1992. **Roger M. Stone** of Mount Airy, MD completed his residency in emergency medicine and practices in the emergency departments of Carroll County Hospital in Westminster and Franklin Square Hospital in Essex and serves as a physician advisor for Carroll County Medical Services.

1988

Stuart L. Belenker of Newport, RI is a lieutenant in the Navy and on duty at the Naval Hospital there. Thomas P. Carr of Seattle writes that he and his wife Abigail became first-time parents on January 20, 1992, when son Daniel was born. **Carol C. Coulson** of Chapel Hill, NC will complete a fellowship in maternal-fetal medicine at the University of North Carolina in Chapel Hill in 1994. **Jose E. Dominiques** of Alexandria, VA was married on January 16, 1993. Sally F. Fenton of New York and her husband Michael Hahn became parents last September when Peter Fenton Hahn was born. Sally is a first-year psychiatry fellow at the New

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York University Medical Center/Bellevue Hospital. **Rebecca A. Goedeke** of Baltimore gave birth to Jonathan Howard Goedeke on April 24, 1992. **Joseph C. Schwartz** of Washington, DC will remain at the Washington Hospital Center, where he served as chief resident while completing a residency in ophthalmology, for an additional year as a result of receiving a vitreoretinal fellowship. **Kelley Willis Sullivan** of Suwanee, GA is doing a fellowship in cardiology at Emory University in Atlanta.

1989

Steven R. Daviss of Pittsburgh is chief resident for the adult program and president of the house staff at the Western Psychiatric Institute and Clinic in Pittsburgh and he and his wife Donna became the parents of Nathan Quinn in March 1992. On a sadder note, Dr. Daviss writes that their 8-year-old cat "Bimbo" died this year. **Erin R. Drew** of Baltimore completed a pediatric residency in June 1989 and is currently in a group practice with UMAB alumni **Ed Pearl '74**, **Barry Auerbach '83** and **Louis Jacobsen '88**. **Jean Marie Naples** of Shreveport, LA completed a family practice

residency in October and began a year-long fellowship in high risk obstetrics in Tacoma, WA that will be followed by at least two years of general surgery in Shreveport.

1990

Sharen M. Bridge of Baltimore was married to Stephen Bisson on September 18, 1992. **Mark R. Edelstein** of Cherry Hill, NJ has changed his specialty from general surgery to internal medicine and will pursue a fellowship in cardiology. **Jose M. Maisog** of Lutherville, MD is a staff fellow at the National Institutes of Health. **Dennis J. Van Zant** of Aurora, CO and his wife Melinda expect their second child in January.

1991

Michael Lynn Ault of Chicago writes that he is enjoying both his anesthesiology residency at the Northwestern Memorial Hospital and life in Chicago.

1992

Elizabeth Scarito of White Hall, MD would love to hear from some of her classmates.



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IN MEMORIAM

Julius W. Bell '27

Hollywood, FL

September 8, 1992

A medical pioneer, scientist and innovator of medicine, Dr. Bell practiced in New York from 1928 until his retirement eight years ago. One of the first endoscopists in New York, Dr. Bell taught bronchoscopy and esophagoscopy to many other physicians. He was instrumental in the development of the fenestration operation for deafness.

As an author, Dr. Bell wrote a classical textbook and many articles on rhinoplasty as well as papers dealing with cleft palate, cleft lip, and the correction of ear defects. He lectured at the Academy of Otolaryngology for 20 years. As an educator, Dr. Bell was a professor of otolaryngology at the first postgraduate medical school in the United States, the Polyclinic Post Graduate Medical School; chairman of the department of otolaryngology and director of the residency program in otolaryngology at the Polyclinic Hospital in New York City. While in medical school, he was a National AAU amateur wrestling champion. During

World War II he served as a commander in the Navy.

Dr. Bell is survived by his wife Paula, his son Dr. Herbert S. Bell, his daughter Susan Alcott, eight grandchildren and six great grandchildren.

Abraham Garfinkel '30

Mercer Island, WA

February 28, 1992

Dr. Garfinkel completed an internship and residency at City Hospital in New York, before beginning a private practice in Flemington, NJ during which time he was appointed physician in attendance at the Lindbergh kidnapping trial. Dr. Garfinkel's patriotism showed through when a shortage of physicians occurred during World War II. As an enlistee, he was acting commanding officer of the military hospital in Trinidad for four years.

After the war, he practiced in Trenton and was chief of staff of Trenton General Hospital and a founder of Hamilton General Hospital. Dr. Garfinkel was rewarded for 50 years of outstanding medical practice in New Jersey when he was chosen to receive the Golden Merit Award of Medical Practice and again when he was elected to the One Hundred Club of Family Physicians. He and his wife Mabel retired to Florida in 1965, but returned to Washington state a few

years later to be closer to their daughter and her family.

Dr. Garfinkel came from humble beginnings and worked hard to achieve status as an outstanding diagnostician and family physician known as a benefactor to patients unable to pay. Among the survivors are his wife of 58 years, their daughter and three grandchildren.

Henry Wigderson '31

Atlanta, GA

November 20, 1992

Dr. Wigderson was chief of neurosurgery at the Jamaica, Mary Immaculate and Queens General Hospitals in New York. From 1941-1945, Dr. Wigderson organized the neurosurgical service for the Hadassah Menidial Organization in Jerusalem.

Solomon E. Gittleman '32

Pompano Beach, FL

December 12, 1992

An internist and family practitioner, Dr. Gittleman served on the staffs of the Brookdale Hospital in Brooklyn, NY and the North Broward Hospital in Pompano Beach, FL. He was a member of several medical societies. When Dr. Gittleman graduated from medical school he was one of five students who received Certificates of Honor. In 1978, he and his wife Lillian moved to Florida where he practiced until he retired in the mid

1980s. Dr. Gittleman was known as a "good old fashioned family doctor" who enjoyed fishing and visiting with his children and grandchildren in his spare time. Among the survivors is his wife.

Harry C. Hull, Jr. '32

Baltimore, MD

December 15, 1992

Dr. Hull died at his home in Roland Park at age 83. He was closely associated with the School of Medicine and University Hospital throughout his long professional career. During World War II he served in the Army in the Pacific theater in the 142nd General Hospital, which was largely staffed by the University of Maryland. He attained the rank of colonel and became chief of surgery in a 1,500-bed hospital established in Calcutta. He often drew on his vast experience in his later surgical lectures, which were models of concision.

Dr. Hull trained at St. Agnes and University hospitals and completed his surgical residency in 1936 under the redoubtable Dr. Arthur M. Shipley. Dr. Hull was among the first to be certified by the then newly formed American Board of Surgery. A Fellow of the American College of Surgeons and one of the founders of the University of

Maryland Medical Society, Dr. Hull also was a member of many other local, state and national societies. Dr. Hull's practice was an ideal blend of private and academic. He was a dynamic and inspiring lecturer, surgeon and leader who will long be remembered by hundreds of students, interns and residents as well as by family, friends and patients.

Dr. Hull's wife of 49 years, the former Anne Hoke, died in 1989. He is survived by a daughter, Barbara Hull Francis; a son, Harry Clay Hull III, a sister, Anna H. MacLea and two grandchildren. Contributions may be made to the Harry C. Hull Distinguished Lectureship, c/o Dr. E. George Elias, Dept. of Surgical Oncology, Room N13E02, UMMS - 22 S. Greene St., Baltimore MD 21201.

Earle H. Harris '33

Forest Hills, NY

Nachman Davidson '36

Pikesville, MD

December 17, 1992

Dr. Davidson was an allergist, adjunct instructor at the Johns Hopkins Medical School and Navy veteran of World War II. He entered the Navy in 1942 and spent three years at sea during the war, attaining the rank of lieutenant com-

mander. After a two-year internship, he studied allergies at Johns Hopkins on a fellowship. His interest in psychosomatic causes led him to specialize in allergies, in which emotions play a role. He was an adjunct instructor at the Hopkins medical school until his retirement in 1986. He was in private practice and worked in the outpatient clinics of Johns Hopkins, Sinai and Lutheran hospitals.

Dr. Davidson was proud of his work with the Guidance Service, a pioneering community mental health project. President of the Maryland Allergy Society in 1981, he was a member of the American Academy of Allergy, the American Psychosomatic Society, the Medical Research Club of Baltimore, the Baltimore City Medical Society and the Medical and Chirurgical Faculty of Maryland. His many interests included music and theater.

The former Betty R. Herman, whom he married in 1936, died in 1973. He is survived by his wife, the former Sophie K. Shiling, three children from his first marriage, five grandchildren and two stepdaughters.

COMING EVENTS

April 15, Thursday

*13th Annual Theodore E. Woodward
Alpha Omega Alpha (AOA)
Lecture*

Paul R. McHugh M.D.
Henry Phipps Professor and
Director

Department of Psychiatry
and Behavioral Sciences
Johns Hopkins University
School of Medicine
Using a Systematic
Approach to Psychiatry
Davidge Hall, 5 p.m.
Baltimore

May 12, Wednesday

*The Department of Epidemiology and Preventive
Medicine and The Johns
Hopkins Clinical Trials
Center Seminar*

Byron William Brown, Ph.D.
Stanford University School
of Medicine
Davidge Hall, 5 p.m.
Baltimore

May 15, Saturday

*11th Annual Isadore A.
Siegel Lecture*

Alan H. DeCherney, M.D.
Davidge Hall, 9 a.m.
Baltimore

June 9, Wednesday

*Management of Diabetic
Children in the Operating
Room*

Elliot J. Krane, M.D.
Shock Trauma Auditorium
4 p.m.
Baltimore

June 10, Thursday

*Postoperative Pain and
Management in Children*

Elliot J. Krane, M.D.
Shock Trauma Auditorium
7 a.m.
Baltimore

IN MEMORIAM

Robert C. Crawford '38

Roanoke, VA
February 1992

Leonard L. Heimoff '39

Tamarac, FL
June 17, 1992

Dr. Heimoff specialized in internal and public health medicine and taught at the New York Hospital/Cornell University Medical College from 1946 until his retirement in 1986 when he received emeritus status in the department of medicine. Cornell honored Dr. Heimoff again in 1987 when he became a clinical professor emeritus of public health. Dr. Heimoff was a major on Douglas MacArthur's staff during World War II and served as venereal disease control officer in the South Pacific.

Back in New York City after the War, he worked on many drug abuse committees and was the medical director for the Building Service Employees Union and physician to the New York Shipping Association's Port Watchman Union. Dr. Heimoff was very active in New York medical societies and served as president of the Bronx County Medical Society in 1960 and of the Five County Medical Society from 1964-1966. His wife Esther is among those who survive him.

Maurice B. Siegel '39

Sherman Oaks, CA
July 17, 1992

Dr. Siegel interned at Kings County Hospital in Brooklyn, did a residency at Cedars of Lebanon in Los Angeles and went on to practice internal medicine and cardiology in Los Angeles and Beverly Hills for thirty-five years. Twenty of those years were also spent directing ambulatory care and outpatient clinics at Cedar Sinai Medical Center. Dr. Siegel was a Fellow in the American College of Physicians and the American College of Cardiology and a diplomate of the American Board of Internal Medicine. In 1966, he was president of the Professional Men's Club of Beverly Hills.

His family and friends have established the Maurice B. Siegel, M.D. Lecture Series, Humanism in Medicine. Among the survivors are his wife, daughter and son.

Samuel L. French, 43M

Paducah, KY
January 1993

An orthopedic surgeon who interned at the University Hospital, Dr. French did residency training at Kennedy General in Memphis and the Crippled Children's Hospital in Little Rock. He served with the 49th medical battalion as an orthopedic surgeon during World War II. He was chief of orthopaedic surgery at the

Western Baptist Hospital from 1954-1990, and upon retirement the orthopedic floor of that hospital was named after him. During his career, he held offices with the Kentucky Medical Association and the McCracken County Medical Society. He was a member of the American Medical Association, Kentucky Orthopaedic Society and the American Railway Surgeons. Dr. French is survived by a son, a daughter and two granddaughters.

Richard C. Hayden '44

Wilmington, DE
July 1, 1991

Dr. Hayden served as the regional chairman of district III (which consists of Delaware, New Jersey and Pennsylvania) of the American College of Obstetricians and Gynecologists from 1982 until 1985 after having been vice chairman for three years. Before his retirement in 1988, Dr. Hayden practiced in Wilmington and was a clinical professor of Ob/Gyn at Jefferson Medical School. He is survived by his wife Marilyn.

Littleton J. Bunch '47

Almosa, CO
August 19, 1992

Following internships at Colorado General Hospital and Winston Salem Baptist Hospital and residencies at Yale University Hospital and the University of Vermont

Hospital, Dr. Bunch began practicing family medicine in Alamosa in 1952. Along with his practice, Dr. Bunch taught at Adams State College in the science division for many years. The college presented him with the Billy Adams Award, as well as several other honors. A Littleton J. Bunch scholarship has been established at Adams in his memory. Dr. Bunch retired from the National Guard in 1982 with the rank of colonel. Survivors

Errata

Dr. Dale Dedrick '80: We are embarrassed to admit that we did it again! We know you are a "she," and not a "he," but the gremlins in our computer don't! Our apologies once again and our best wishes for your speedy recovery from your recent illness.

The speaker for the 1993 Martin Helrich Lecture was incorrectly announced. The speaker on April 7 was actually E. M. Papper, M.D., Ph.D. The Annual Giving Honor Roll in the fall *Bulletin* incorrectly lists Joshua Perman, M.D. '41 in the Friends section instead of the Dean's List. Our apologies for the error.

include his wife, two sons, two daughters and two grandchildren.

Robert G. Fitzgerald '47

Roxboro, NC

July 4, 1992

Dr. Fitzgerald interned at the University of North Carolina at Chapel Hill and not long after that served in the United States Army as a Captain during the Korean conflict. Returning to practice, Dr. Fitzgerald became a partner in the Ridge Road Medical Group. He was a member of the American Medical Association and the Roxboro Rotary Club of which he was a past president. Dr. Fitzgerald was a Paul Harris Fellow. For 10 years or more, he served as team physician for the Roxboro Rockets football team. He is survived by his wife Shirley, three sons and six grandchildren.

Wallace E. Johnson '51

Dayton, OH

August 31, 1992

Dr. Johnsonb toured France and Germany with the U.S. Infantry during World War II before entering medical school. He gained valuable experience serving an externship at Baltimore's Lutheran Hospital. Dr. Johnson practiced orthopedic surgery at First Dayton Or-

thopedists, Inc. from which he retired in 1988. Among the survivors are his wife Annie and a son.

Raymond M. Atkins '52

Baltimore, MD

November 13, 1992

A general and vascular surgeon, Dr. Atkins was a past president of the Medical and Chirurgical Faculty of Maryland, the State Medical Society and the Baltimore City Medical Society. Dr. Atkins retired in October 1992 after practicing surgery in Baltimore for 30 years. He was chief of staff at Church Hospital from 1975-1981 and had also been on the staffs of the Greater Baltimore Medical Center and Union Memorial, St. Joseph and Good Samaritan hospitals. As an officer in the United States Public Health Service, he interned at the service's hospital in Baltimore. After maintaining a Chestertown, MD practice for two years, he returned to Church Hospital in Baltimore, did a two-year residency in surgery and went on to practice that specialty. He was a National Guard and Army Reserve physician who retired from the National Guard as a command surgeon with the rank of colonel. His decorations included the Legion of Merit. A diplomate of the

American Board of Surgery, he was a fellow of the American College of Surgeons. Dr. Atkins was a Civil War buff and liked to hunt. Among those surviving are his wife, two daughters, two sons and nine grandchildren.

Edward W. Hopf '54

Timonium, MD

October 21, 1992

Dr. Hopf was a native Baltimorean who served in World War II as a hospital corpsman aboard a destroyer and returned to his hometown to complete his medical education and do an internship and one year of residency at Mercy Hospital. He practiced general medicine in East Baltimore before entering the Johns Hopkins University School of Hygiene and Public Health, where he earned a master's degree. In 1965 Dr. Hopf became chief of the Bureau of Medical Services and Communicable Disease in the Baltimore County Health Department. He retired in 1988. Dr. Hopf was instrumental in establishing the Employees Health Clinic of Baltimore County and was a member of the Baltimore County Medical Association, Maryland Med-Chi and the Southern Medical Society. He is survived by his wife Nancy and their two sons.

Thomas J. Solon '54

Weston, WV

March 12, 1992

Martin J. Feldman '55

Baltimore, MD

September 15, 1992

Theodore D. Gardiner '59

Alameda, CA

May 29, 1992

Lois F. Kaufman '62

East Lansing, MI

November 1, 1992

Dr. Kaufman specialized in pediatrics and was a consultant for the Disability Determination Service of Michigan. She is survived by her husband, Matthew L. Kaufman, M.D. '64.

Arthur M. Lebson '73

Baltimore, MD

January 6, 1993

STUDENT NEWS

No doubt about it, everyone who attended the International Night affair (photos, right) on Thursday, January 7, 1993 will attest to the delightful and festive international feast and atmosphere. The food was plentiful, colorful and delicious with delicacies from China, Italy, Mexico, England, France and a sampling from the Chesapeake Bay complemented by international beers and wines. The Medical Alumni Association's special guests of honor were the School of Medicine Class of 1995.

Sophomore International Night



Medical Alumni Association Student Advisory Committee

The Medical Alumni Association has established a committee of student leaders from the University of Maryland School of Medicine to forge a strong bond between the association and its future alumni. The following students have volunteered their time to develop the association's rapport with their peers: Patricia Choi '93, Heather Houck '93, David Sigman '93, Kathleen Flores '94, Scott LaBorwit '94, Andrew Smock '94, Becky Appleton '95, Gail Granof '95, Kay Layton '95, Maureen Burdett '96, Waseem Husain '96, and Jim Wang '96. Scott LaBorwit is serving as chairman for 1992-93 and will represent the group ex officio at board of directors meetings.

Final Exams Breakfast

The Medical Alumni Association sponsored its first Final Exams Breakfast for the School of Medicine students on Monday, December 14, 1992 in the Bressler Lobby. Over 350 students greatly enjoyed and appreciated the modest, but filling menu of donuts, juices and coffee.

Spirit of giving touches everyone



*Medical students
served up
heartily helpings
of traditional
turkey-day fare at
Booker T.
Washington
Middle School . . .*

This past Thanksgiving, students and faculty from the department of family medicine and School of Medicine found time to help some of Baltimore's homeless feel well fed and well cared-for. The group organized its third annual Thanksgiving Dinner for the Hungry at Booker T. Washington Middle School.

More than 485 people came from the surrounding neighborhood to enjoy a Thanksgiving meal cooked by volunteers, an auditorium full of donated clothes collected on campus, and

free health screening, blood pressure check and social services information.

Even the tables were decorated with paper turkeys.

As Christmas rolled around, the students and employees of UMAB joined in the spirit of giving and adopted 97 Maryland families (Medicaid patients from campus clinics), far exceeding the 52 families adopted in 1991. The School of Medicine's department of pediatrics coordinates the annual event, obtaining each family's wish list, complete with ages of the children and clothing sizes. The departments take it from there, collecting toys and clothing for the parents and the children. They also provide food or gift certificates redeemable at local grocery stores.

Last year's effort received special recognition by earning the Governor's Volunteer Award.

But the greatest recognition, say the volunteers, is seeing the smiles and hearing the gratitude of the families who otherwise would have had a not-so-merry Christmas.

*. . . and
drinks were on
the house at the
third annual
Thanksgiving
Dinner for the
Hungry.*



FACULTY NEWS

Ten researchers from the School of Medicine have received grant-in-aid and fellowship awards from the American Heart Association, Maryland Affiliate Inc. for projects that range from development of treatments for newborns with heart and lung disease to screening drugs for heart-damaging side effects. Fellowships were awarded to **Dora M. Berman, Ph.D.**; **Lothar A. Blatter, M.D.**; **Mark S. Kirby, Ph.D.**; **Cristina Ripoll, Ph.D.**; and **Xiaojian Yuan, M.D.** Receiving grant-in-aid awards are **C. William Balke, M.D.**; **Stephen S. Gottlieb, M.D.**; **Robert Hadley, Ph.D.**; **Mary L. Tod, Ph.D.**; and **Robert P. Wade, Ph.D.**

Gregory F. Handlir, M.B.A., associate dean for resource management in the School of Medicine, has been elected national secretary for the Group on Business Affairs of the Association of American Medical Colleges. The 1,000-member organization represents medical school principal business

officers and administrative and financial managers.

Jordan E. Warnick, Ph.D., associate professor of pharmacology and director of short-term research training programs; **Jack L. Mason, Ph.D.**, associate dean for continuing medical education and **Hermione M. Hicks, M.P.A.**, recruitment coordinator, were recognized by the School of Medicine's Student National Medical Association chapter in appreciation of their outstanding contributions to and support of minority research, recruitment and retention.

Mary C. Frankel, M.P.A., assistant dean for graduate medical education, has been named secretary for the 2,700-member Society of Research Administrators, an organization committed to enhancing the professionalism and expertise of those who administer research programs.

The School of Medicine was recognized by the American Cancer Society for the school's decision not to allow smoking on any of its premises. The Smokebusters award was presented to **Dean Donald E. Wilson, M.D.**, by volunteer and staff representatives of the organization's Maryland division. Dr. Wilson has joined

the Board of Directors of the Alliance to End Childhood Lead Poisoning. The Alliance is a Washington, D.C.-based nonprofit, public interest group dedicated to the elimination of hazardous lead in the nation's urban neighborhoods. Dr. Wilson was also recently honored by the Baltimore Tuskegee Alumni Asso-

ciation for his contributions to the professional development of African-Americans in the fields of education and health care.

Stuart E. Mirvis, M.D., associate professor of diagnostic radiology, has developed a "new" imaging device designed especially for the severe trauma patient.

Holly H. Berhns

Medical School Librarian



Holly H. Berhns, the Learning Resource Center Librarian in the Office of Medical Education, University of Maryland School of Medicine, died January 31 of cancer at her home in Baltimore. She was 55 and had been a School of Medicine employee since 1974.

The former Holly Howarth was born in Philadelphia and attended Germantown Friends School there. She graduated cum laude from Wilson College in Chambersburg, PA in 1960 and was elected to Phi Beta Kappa. Mrs. Berhns did graduate work at Middlebury College in Connecticut and at the Sorbonne in Paris, before obtaining her master's degree from the Johns Hopkins University in 1963. She did additional graduate work at Towson State University. She taught school for a time as well, first at the Northfield Academy in Massachusetts and later at Samuel Remy School in Baltimore, where she taught French, Latin, math and English. She married Ronald Berhns in 1964.

Mrs. Berhns is survived by her husband and her mother, Mary Johnston Howarth Curtis of Ft. Wayne, IN. Contributions to the University of Maryland School of Medicine may be sent to the Office of Medical Education, 10 S. Pine Street, Baltimore, Maryland, 21201.

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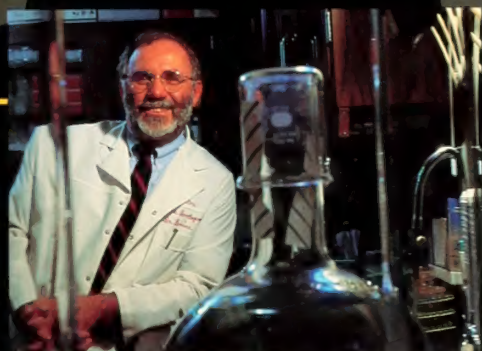
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Building for the Future

The topography of the UMAB campus is changing daily as new buildings go up and old ones come down—making way for the expanding research and clinical facilities of our growing medical center.

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Science in the Time of Cholera

Cholera remains a scourge among two-thirds of the world's population. UM's Center for Vaccine Development has used advanced genetic technology to develop a live oral cholera vaccine, now undergoing worldwide testing.

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Reunion '93

This year's reunion weekend was a smash hit! Almost 1,000 alumni and guests attended the dozens of events and tours, getting reacquainted with classmates and marvelling at the profound changes that have brought new life to the campus.

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Message From the Dean

Still going...

After 186 years of conferring the Doctor of Medicine degree upon thousands of the best and brightest students the School of Medicine could find, I am pleased to tell you that we have been granted full reaccreditation for a seven-year term by the Liaison Committee on Medical Education (LCME), giving us permission to continue to do so.

Although September will mark for me the end of just two years at the School of Medicine, so much has happened in that brief period that it sometimes seems closer to 186!



In the past year alone, we initiated an all-encompassing strategic planning process, the like of which has never been undertaken in the school's history. This plan is now completed, thanks to the tremendous efforts of the many faculty, staff and students who embraced the challenge of putting such an unprecedented plan together. Just to refresh your memory, the Strategic Planning Committee was comprised of six task forces, which were charged with developing goals, objectives and strate-

gies for the School of Medicine—a road map, if you will—to follow in the years ahead. The task forces addressed issues related to curriculum; clinical practice; faculty recruitment, development and retention; graduate education; research; and outreach.

We made every attempt to make the process an open and inclusive one, and I believe we succeeded. In fact, when we announced a School of Medicine Council meeting that would spotlight the strategic plan, we saw a record attendance. However, the next, and perhaps most important step, is yet to come: implementing the plan. And we will implement it. I can assure you that this will not have been a waste of time or trees to put this plan to paper. Indeed, I hope it will become (with apologies to a far more famous one) a kind of "living document" for everyone in the School of Medicine.

A major component of our strategic plan is curriculum reform. An extensive review of the curriculum had not occurred at the School of Medicine since the 1910 Flexner report that transformed our nation's medical schools from little more than trade schools of apprenticeships to institutions of higher learning with standards and review processes. Changing

a medical school's curriculum is both time-consuming and costly; it must be accomplished carefully and wisely.

One of the reform objectives we presented to the LCME is: "to offer educational programs that provide appropriate experience in addressing major health issues of local and national communities, that stress primary care, disease prevention and health, thereby improving the students' competency in patient relationships, as well as community-based service."

Some of the steps we have taken to accomplish this include:

- ◆ Establishing a primary care task force to advise me of initiatives in this area.
- ◆ Enhancing the financial base of the department of family medicine.
- ◆ Teaching the "Introduction to Clinical Medicine" course to freshman, providing our students interaction with a primary care department early in medical school.
- ◆ Creating an Area Health Education Center (AHEC) program. AHECs encourage students to take clinical electives at off-campus sites.



Donald E. Wilson, M.D., Dean

Our program is in Western Maryland, and 40 percent of the students who go through ambulatory clerkships there end up practicing medicine in rural and small towns in Maryland.

- ◆ Providing primary care activity to all fourth-year students by requiring that they spend eight weeks at an ambulatory site.
- ◆ Giving special consideration in the admissions process to applicants from rural, underserved areas.
- ◆ Setting up scholarships to create an opportunity for students from Maryland's rural areas to attend medical school.

Most important, our new curriculum will give students opportunities to interact with patients in an ambulatory, non-hospital setting beginning in the first year of medical school and continuing throughout the four years, rather than deferring such interaction until the fourth year, thereby giving students a broader view of medicine. We are also taking steps to ensure that the ambulatory experience is a positive one so that students will be turned on to, rather than discouraged by, primary care.

These two initiatives—the strategic planning and curriculum reform processes—apparently made positive impressions on the LCME survey team, as they referred to and commended the school in their final report for undertaking both. They also made it very clear that they will be checking on the progress of both, not only at the time of our next accreditation survey in the year 2000, but also in the interim.



There was an important advance made during this year's legislative session, in which we actively participate, and it is good news. A bill facilitating student loan forgiveness passed that will alleviate much of the financial burden (these days, as much as \$75,000) that students and their families face. The bad news is that I foresee another round of budget cuts in the near future. Clearly, as our state support becomes less reliable, we must become more self-sufficient.

In the last issue of *The Bulletin*, I promised an update on the progress of our capital campaign. Thus far, we have raised nearly \$10 million for the School of Medicine in pledges and actual payments, which puts us almost one-third of the way home. This was accom-

plished in less than one year of a five-year campaign. The school's portion of the \$125 million Campaign for Maryland's Medical Center, you may recall, is \$32 million. We ask for your continued support to take us the rest of the distance.

On another positive note, the Spring of 1993 was productive for the school's minority recruitment activities. Responding to a clear need for an explanation of the sometimes overwhelming admissions process, a number of historically African-American undergraduate schools from around the region were invited to participate in an admissions workshop and minority students opportunities program. The goal of the workshop was to formalize a partnership with these schools so they may, in turn, encourage their students to apply to medical school. The workshop was the school's first formal Project 3000 by 2000 activity.

Another success was the fifth annual Minority Applicant Recruitment Weekend for students who have been accepted into the School of Medicine but have not made their final decision. The weekend gave them a second look at the institution and the chance to make a well-informed decision without any pressure. In addition to information sharing, the

group learned about research opportunities, financial aid, housing and information systems technology. They were also able to speak with students, significant others, spouses and parents, current and prospective.

In that vein, we have a pleasant dilemma before us regarding next fall's incoming class: 4,000 applicants for 145 spots. I am confident that we will select another "bumper crop" of fine men and women, and that four years from now, the "Message from the Dean" will contain statistics about their successful residency matches. For your information, three-quarters of this year's graduates received one of their top choices. All of us at the School of Medicine wish them well and look forward to their participation as medical alumni and regular readers of *The Bulletin*.



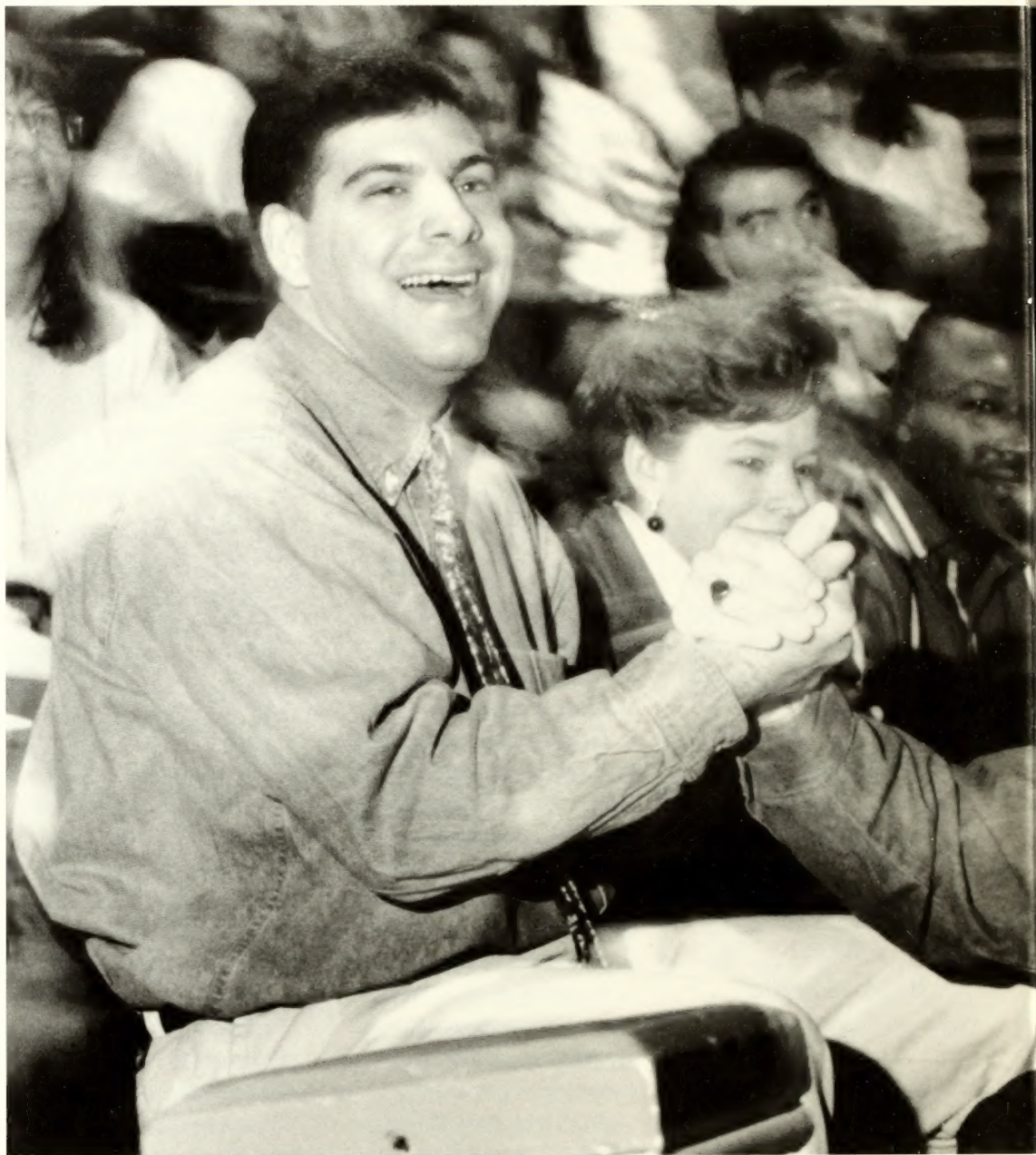
Donald E. Wilson, M.D.
Dean



MATCH

Seventy-six percent of this year's class were matched with one of their top three choices and only 11 (8.1%) went unmatched. The most competitive fields were OB/GYN, Emergency Medicine, General Surgery and Orthopedics. Thirty percent matched in Internal Medicine, which is up from 21% and 22% the past two years. Students matched to prestigious programs all over the country—a total of 120 programs, 80 hospitals and 27 states. Twenty-six will stay at the University of Maryland, 17 elsewhere in Baltimore, and a total of 20 in Washington, DC or York, PA. All in all, 60% will go out of state.

Surgery & Surgical subspecialties	20
Family Medicine	16
Pediatrics	12
Anesthesiology	9
Pathology	9
Emergency Medicine	9
OB/GYN	7
Psychiatry	6
Radiology	6
Ophthalmology	3
Neurology	2
Radiation Oncology	2



ALBANY MEDICAL CENTER
Albany, NY
Michael Audon; Anesthesiology

BAYLOR COLLEGE OF MEDICINE
Houston, TX
Seymour Williams; Family Practice
Laura Zucker; Pediatrics

BAYSTATE MEDICAL CENTER
Springfield, MA
Debra Hurtt; Pediatrics
Michael Stasko; Surgery

BETH ISRAEL HOSPITAL
Boston, MA
Jeffrey Magaziner; Internal Medicine

BETHESDA NAVAL HOSPITAL
Bethesda, MD
Marguerite Robbins; Internal Medicine

BOSTON UNIVERSITY
Boston, MA
Rupert Horoupian; Surgery-Preliminary
Matthew Park; Internal Medicine
Jeffrey Wise; Surgery-Preliminary

DAY '93

Majority of Graduates go to Top Residency Choices



DUKE UNIVERSITY MEDICAL
CENTER
Durham, NC
Thomas Lang; Internal Medicine
Michael Pulley; Neurology

EMORY UNIVERSITY
Atlanta, GA
Ronald Cucina; Obstetrics &
Gynecology
Mark Keenan; Radiology
Welwin Liu; Neurology, Internal
Medicine-Preliminary
Christopher Lopez; Internal
Medicine-Preliminary
David Shore; Internal Medicine
Michelle Young; Internal
Medicine

FORT GORDON EISENHOWER
MEDICAL CENTER
Augusta, GA
Deborah Packer; Family Practice

FRANKLIN SQUARE HOSPITAL
Baltimore, MD
Patricia Jett; Family Practice
Michael Kuo; Internal Medicine-
Preliminary
Nicola London;
Obstetrics/Gynecology

GEORGE WASHINGTON
UNIVERSITY MEDICAL CENTER
Washington, DC
Mitra Ahadpour; Internal
Medicine-Primary
Niti Singh Armistead;
Anesthesiology
Yong Lee; Internal Medicine-
Preliminary
Ali Niak; Anesthesiology

GEORGETOWN UNIVERSITY
HOSPITAL
Washington, DC
Sven Ingo Ender; Internal
Medicine

GOOD SAMARITAN HOSPITAL
Phoenix, AZ
Jonathan Weinstein; Internal
Medicine-Preliminary

Continued on next page

BOWMAN GRAY MEDICAL
CENTER
Winston-Salem
Douglas McPhee; Emergency
Medicine

CHILDREN'S HOSPITAL
Oakland, CA
Monica Roy; Pediatrics

CHILDREN'S HOSPITAL
Philadelphia, PA
William Mahle; Pediatrics
Mario Majette; Research

CHILDREN'S NATIONAL
MEDICAL CENTER
Washington, DC
Chrisanthi Subasinghe;
Pediatrics
Susma Vaidya; Pediatrics

DARTMOUTH-HITCHCOCK
MEDICAL CENTER
Lebanon, NH
McLean Lewis; Pathology

DENVER GENERAL HOSPITAL
Denver, CO
Kevin Eichhorn; Emergency
Medicine



Match Day '93

GRADUATE HOSPITAL OF
PENNSYLVANIA
Philadelphia, PA
Rhonda Haston; Internal
Medicine

GREATER BALTIMORE
MEDICAL CENTER
Baltimore, MD
Lisa Fabijanski; Internal
Medicine-Preliminary

HARBOR - UCLA MEDICAL
CENTER
Torrance, CA
Aminatu Shehu; Emergency
Medicine

HEALTHEAST TEACHING
HOSPITAL
Allentown, PA
Dona Hobart; Surgery

HERSHEY MEDICAL CENTER -
PENN STATE
Hershey, PA
Brian Bloom; Radiology
Heather Houck; Internal
Medicine-Preliminary

INDIANA UNIVERSITY
MEDICAL CENTER
Indianapolis, IN
David Plotkin; Internal Medicine

JEWISH HOSPITAL
St. Louis, MO
Mayer Fishman; Internal
Medicine

JOHNS HOPKINS HOSPITAL
Baltimore, MD
Ronald Bank; Anesthesiology
Quynh Dinh; Anesthesiology
John Lewison; Anesthesiology

LAC-USC MEDICAL CENTER
Los Angeles, CA
Rosario Hwang; Surgery

LANCASTER GENERAL
HOSPITAL
Lancaster, PA
Shauna Paylor; Family Practice

LONG ISLAND JEWISH
New Hyde Park, NY
Jonathan Efron; Surgery

MCGAW MEDICAL CENTER-
NORTHWESTERN UNIVERSITY
Maywood, IL
Steven Hockstein;
Obstetrics/Gynecology
Giles Simpson; Emergency
Medicine

UNIVERSITY OF TEXAS
MONROE DUNLAVY
ANDERSON CANCER CENTER
Houston
Scott Lankford; Radiation
Oncology

MEDICAL CENTER OF
DELAWARE
Newark
Lisa Phillips;
Obstetrics/Gynecology

MEDICAL CENTER HOSPITAL
Burlington, VT
Paulette Browne;
Obstetrics/Gynecology

MEDICAL COLLEGE OF
GEORGIA
Augusta
James Foster; Family Practice
Vinay Gupta; Surgery

MEDICAL COLLEGE OF
PENNSYLVANIA
Philadelphia
Michael Buckmire; Surgery

MEDICAL UNIVERSITY OF
SOUTH CAROLINA
Charleston, SC
Michael Cushner; Orthopedics

MEMORIAL MEDICAL CENTER
Savannah, GA
Mark Malkus; Internal Medicine

MERCY MEDICAL CENTER
Baltimore, MD
Ronald Bank; Internal Medicine-
Preliminary
Christopher Chambers; Internal
Medicine-Preliminary
Quynh Dinh; Internal Medicine-
Preliminary
Joung Kim; Internal Medicine-
Preliminary
Thomas Yau; Internal Medicine-
Preliminary
Emily Zimmerman; Internal
Medicine-Preliminary

MIDDLESEX HOSPITAL
Middletown, CT
John White; Family Practice

MOUNT SINAI MEDICAL
CENTER
Miami, FL
Anita Petteway; Internal Medicine

NAVAL HOSPITAL
Oakland, CA
Thanh Duong; Internal Medicine

NEW ENGLAND DEACONESS
HOSPITAL
Boston, MA
Denis Lin; Internal Medicine

NEW YORK MEDICAL CENTER
New York, NY
Christopher Welsh; Psychiatry

NORTH COLORADO MEDICAL
CENTER
Greeley, CO
Lore Wootton; Family Practice

NORTH SHORE UNIVERSITY
HOSPITAL
Manhasset, NY
Tim Vivek Malhotra; Internal
Medicine-Preliminary
Louis Saffran; Internal Medicine-
Preliminary

PORTSMOUTH NAVAL
HOSPITAL
Portsmouth, VA
Daniel Rodgers; Transitional



NATIONAL INSTITUTES OF
HEALTH
Bethesda, MD
David Pham; Allergy and
Infectious Disease Research

NATIONAL REHABILITATION
HOSPITAL
Washington, DC
Michael Kuo; Rehabilitation

PRESBYTERIAN HOSPITAL
New York, NY
Tim Vivek Malhotra;
Anesthesiology

PROVIDENCE HOSPITAL
Washington, DC
Susan King; Family Practice

SHEPPARD PRATT HOSPITAL
Baltimore, MD
Douglas Smith; Psychiatry

ST. ELIZABETH HOSPITAL
Washington, DC
Jessica Brown; Psychiatry

ST. JOSEPH HOSPITAL
Denver, CO
Kevin Eichhorn; Internal
Medicine-Preliminary

ST. MARY'S HOSPITAL
Long Beach, CA
Jeffrey Suplica; Internal
Medicine-Preliminary

SINAI HOSPITAL
Baltimore, MD
Ali Niak; Internal Medicine -
Preliminary
Michael Pulley; Internal Medicine
- Preliminary
Tresha Ward; Pediatrics

SPARTANBURG REGIONAL
MEDICAL
Spartanburg, SC
Teresa Hanyok; Family Practice

STRONG MEMORIAL HOSPITAL
Rochester, NY
Marc Hamburger; Internal
Medicine
Shellie Sasscer; Pediatrics
Sharon Silverman; Internal
Medicine-Primary

TEMPLE UNIVERSITY
Philadelphia, PA
Valerie Dyke; Surgery

THOMAS JEFFERSON
UNIVERSITY
Philadelphia, PA
Amal Mattu; Emergency
Medicine

TRIPLER ARMY MEDICAL
CENTER
Honolulu, Hawaii
John Glorioso; Family Practice

UNIVERSITY HOSPITAL OF
CLEVELAND
Cleveland, OH
Rebecca Yang; Surgery

UNIVERSITY HEALTH
CENTER
Pittsburgh, PA
Christopher Chambers;
Anesthesiology
David Figucia; Internal Medicine
Primary
Donna Harrison; Emergency
Medicine
Frederick Kotler; Internal
Medicine
Joel Max; Internal Medicine
Maureen Salopek; Psychiatry



UNIVERSITY OF ALABAMA
Birmingham
Stephanie Call; Internal
Medicine

UNIVERSITY OF CALIFORNIA
MEDICAL CENTER
Los Angeles
John Hung; Pediatrics-Primary

UNIVERSITY OF CHICAGO
HOSPITAL
Chicago, IL
Douglas Seeb, Radiology

UNIVERSITY OF CINCINNATI
Cincinnati, OH
Nicolette Pesik; Emergency
Medicine

UNIVERSITY OF COLORADO
SCHOOL OF MEDICINE
Denver
David Leonard; Internal
Medicine-Primary

UNIVERSITY OF
FLORIDA/SHANDS
Gainesville
Gregory Brouse; Internal
Medicine

UNIVERSITY OF
FLORIDA/ALACHUA GENERAL
Gainesville
Susan Rothbauer; Family
Practice

UNIVERSITY OF ILLINOIS
Chicago
Lynn Shin; Surgery

UNIVERSITY OF MARYLAND
MEDICAL CENTER
Baltimore
Barbara Alexander; Internal
Medicine
Denise Angus; Family Practice
Angela Brown; Internal Medicine
Jacob Cherian; Internal
Medicine-Preliminary

Ricardo Cook; Orthopedics
Maria DelGiorno; Pediatrics
Martin English; Internal Medicine
Michael Gallagher; Internal
Medicine
Kim Glover; Internal Medicine-
Preliminary
Paul Goldberg; Radiology-DX
Eric Greenberg; Internal
Medicine
Jeffrey Greenwood; Emergency
Medicine
Peggy Guerrero-Martin;
Pediatrics
Samuel Hsu; Internal Medicine-
Preliminary
Gregory Levickas; Internal
Medicine
Kathleen Lewison;
Obstetrics/Gynecology
Karen Mason; Pediatrics
Gina Massoglia; Surgery
Ursula McClymont; Family
Medicine
David Mok; Internal Medicine
Faye Moul; Psychiatry
Helen Nitsios; Internal Medicine
Maurice Jean Poitras;
Anesthesiology
David Sigman; Urology
Anthony Sorkin; Orthopedics
Jeffrey Suplica; Radiation
Oncology
Emily Zimmerman;
Ophthalmology
Samana Zulu; Surgery Research

UNIVERSITY OF MINNESOTA
HOSPITAL & CLINIC
Minneapolis
Melissa Lee; Psychiatry
Charles Yim; Radiology

UNIVERSITY OF NORTH
CAROLINA MEDICAL CENTER
Chapel Hill
Virginia Carangal; Internal
Medicine
Craig Collier; Surgery
Brian Rinehart; Obstetrics &
Gynecology

UNIVERSITY OF
PENNSYLVANIA HOSPITAL
Philadelphia
Lisa Fabijanski; Radiology-DX
Andrew Lieberman; Pathology

UNIVERSITY OF PITTSBURGH
Pittsburgh, PA
Joung Kim; Ophthalmology

UNIVERSITY OF SOUTH
ALABAMA COLLEGE OF
MEDICINE
Mobile
Steven Avezzano; Family
Practice

UNIVERSITY OF UTAH HOSPITAL
Salt Lake City
Adam Solomon; Internal
Medicine

UNIVERSITY OF VIRGINIA
Charlottesville
Stacy Oshry; Internal Medicine-
Primary

UNIVERSITY OF WASHINGTON
HOSPITAL
Seattle
Diane Doerner; Internal
Medicine

VANDERBILT UNIVERSITY
Nashville TN
Chad Hoyt; Internal Medicine

WASHINGTON HOSPITAL
CENTER
Washington, DC
Patricia Choi; Surgery
John Lewison; Surgery
Kevin Shannon; Internal
Medicine
Thomas Yau; Ophthalmology

WEST VIRGINIA UNIVERSITY
HOSPITAL
Morgantown
Paul Jackins; Internal Medicine

YALE/NEW HAVEN HOSPITAL
New Haven, CT
Brian Solberg; Orthopedics

YORK HOSPITAL
York, PA
Thomas Annulis; Internal
Medicine
Kathryn Connor; Internal
Medicine-Preliminary
Pasha Generette; Family
Practice
Alden Peoples; Emergency
Medicine

Multiple sclerosis patients helped by interferon

Beta interferon significantly helps patients in the early stages of multiple sclerosis (MS), according to a three-year study at the University of Maryland Medical Center and 10 other institutions. The findings, published in the April issue of *Neurology*, show that the drug delays new attacks and reduces damage to the brain.

"This is a landmark in MS research," says Kenneth P. Johnson, M.D., professor and chairman of neurology at the UMMC. "High doses of beta interferon appear to delay the onset of new attacks in patients with early MS." Dr. Johnson is one of the investigators on the current study and has researched interferon for 13 years. "Although beta interferon is not a cure, it reduces damage to the brain and should reduce neurologic disability among patients. If approved by the FDA, this will be a treatment that can be given early in the disease,

before MS patients become disabled."

In a three-year double blind study of beta interferon at 11 centers in the United States and Canada, a total of 372 patients were enrolled including 28 in Baltimore. The UMMC not only participated in this

major trial, but also conducted the pilot studies that determined the dose and showed that the treatment was safe. All of the study patients, who had a mild form

of MS, received either a high dose or low dose of beta interferon or a placebo. The patients self-injected the drug every other day. Each patient in the study also received a Magnetic Resonance Imaging (MRI) scan once a year to measure the amount of damage that was occurring in the brain due to MS.

Patients who received a high dose of beta interferon had 30 to 40 percent fewer attacks per year than those

on the placebo. An attack was defined in the study as a new symptom or group of symptoms with objective findings on a neurologic examination which lasted for more than 24 hours.

The number of patients who had no attacks at all during the three-year study in the high dose group was twice that in the placebo group. In addition, the time between attacks was nearly twice as long in the high dose than in the placebo group. The average time from the beginning of therapy to the first attack was 300 days for the high dose interferon group, while in the placebo group the time between starting therapy and the first attack averaged 158 days.

The MRI scan also showed significant differences among the three groups of patients. The damaged area of the brain of patients in the high dose group actually got smaller, while in the placebo group the average area of damage increased almost 20 percent. The area of damage in the low dose group remained stable, indicating that beta interferon had a beneficial effect detected by MRI that was not apparent clinically.

"This is perhaps the major finding in this study," says Hillel S. Panitch, M.D., professor of neurology at the

UMMC and co-director of the study. "Each attack adds damage to the nervous system and builds up, causing increasing disability. The MRIs seem to indicate that beta interferon is protecting the nervous system and probably changes the natural history of the disease."

The drug used in this study is known generically as interferon-beta 1B and is produced by Berlex Laboratories under the name of Betaseron. If approved by the FDA, beta interferon would become the first drug ever to improve the natural course of MS, which affects more than 300,000 people in the U.S.

For more information, call (410) 328-6484 ♦

**"This is a
landmark in
multiple
sclerosis
research."**



The *Advances* section is prepared with thanks to the public affairs officers of the University of Maryland at Baltimore (401-706-3572) and the University of Maryland Medical Center (410-328-8919).

Ellen Beth Levitt
Jill Bloom
Vicki Strittmater

Ouabain research rewrites the textbooks

UM researchers win patent for ouabain assay

Ouabain, the steroid extracted from plants by East African natives for making poison darts, will be a major item at the 7th International Conference on the Sodium Pump to be held in Germany this fall. That's largely because of seeds sown by a University of Maryland team including Dr. Mordecai Blaustein, professor and chairman of physiology, and Dr. John Hamlyn, associate professor of physiology.

In 1977, Dr. Blaustein introduced an important hypothesis about a ouabain-like substance that could be a cause of high blood pressure. By 1982, Drs. Blaustein and Hamlyn, together with colleagues in the departments of medicine and pediatrics, had a partner in the Upjohn Co., which collaborated in the identification and subsequent purification of human ouabain in 1990. Recent collaborative work between Dr. Hamlyn's team and Dr. Morilal Pamnani and colleagues at the Uniformed Services



Dr. Mordecai Blaustein and Dr. John Hamlyn

University in Bethesda, Md., has shown that ouabain can cause hypertension in lab animals.

Studies by independent scientists in the United States and abroad have confirmed the UMAB results. "The discovery of human ouabain has altered the research focus dramatically," says Dr. Blaustein, "and changed the way researchers approach the investigation of hypertension. The textbooks won't be the same."

Although the mechanism by which ouabain raises blood pressure is not fully understood, it appears certain that it involves a cellular

regulatory molecule called the sodium pump that is the receptor for ouabain.

Upcoming UMAB research will concentrate on apparent

variations in sodium pumps and changes in their sensitivity to ouabain with the onset of different diseases, as well as new evidence of additional ouabain receptors yet unidentified.

Researchers are also studying what may be a direct link between plasma ouabain levels and increased incidence of hypertension among older people. With Dr. Bruce Hamilton of the Baltimore Veterans Affairs Medical Center and

Dr. Paolo Manunta of the University of Sassari in Sardinia, Dr. Hamlyn is investigating an apparent age-related renal defect that inhibits the excretion of ouabain and leads to higher blood plasma ouabain levels.

Dr. Hamlyn has also observed that renal reabsorption of ouabain is influenced by dietary intake of sodium. This is of particular interest to western "high-salt" societies such as ours in which there is an increased incidence of hypertension among older members.

In November 1992, UMAB was granted a patent for the means by which ouabain can be measured in biological fluids and tissues. Under a licensing agreement with corporate partner DuPont, ouabain assay kits are being developed that will allow many researchers around the world to pursue expanding areas of inquiry.

"There are," says Dr. Hamlyn, "many possibilities to pursue. Given the pace of today's research, it's likely that, within the next five years, additional clinical applications for ouabain will be discovered and marketed." For more information, call (410) 706-3651.

Karen Donohue Meyer

"The discovery of human ouabain has changed the way researchers approach hypertension."



Geriatric malnutrition study under way

Responding to studies finding more than 50 percent of elderly patients admitted to hospitals suffer from malnourishment, researchers at the University of Maryland School of Medicine are embarking on a study of geriatric malnutrition in acutely hospitalized individuals and how it affects illness.

The two-year study funded by the National Institute on Aging started in September 1992 and will follow 300 elderly patients who are admitted to the University of Maryland Medical Center.

Heading the project are Frank J. Hooper, M.P.H., Sc.D., research assistant professor of medicine, and Mohamed S. Al-Ibrahim, M.D., professor and head of general internal medicine and geriatrics, both at the School of Medicine; and Bruce Kinosian, M.D., principal investigator and assistant professor of medicine, formerly of the School of Medicine and now at the University of Pennsylvania.

"We anticipate as many as 50 percent of the elderly will be malnourished when they come into the hospital," said Hooper. Some reports, he added, indicate that malnutrition is widespread among the elderly and may affect 40 percent of nursing home residents.

Researchers will look at how malnutrition affects hospital stay, other health conditions and physical functioning.

Patients in the study will be assessed on admission, during and after their hospitalizations, for the development of nutritionally related complications.

Reasons for malnourishment among the elderly include living alone, poor dental health, chronic medical illness and use of multiple medications "Gathering more information is necessary before proposing a remedy," Hooper said.



Nasal insulin may eliminate need for injections

Researchers at the University of Maryland School of Medicine and Temple University in Philadelphia have developed a nasal insulin spray which could eliminate a diabetic's need for injectable insulin.

Dosages of injectable insulin have always been a compromise—high enough to provide the level of insulin needed after meals, but not so high that a dangerous lowering of blood glucose occurs between meals.

Finding the appropriate enhancer to carry the large insulin molecule across the nasal membrane was the real challenge facing A. Avinoam Kowarski, M.D., professor of pediatrics and chief of pediatric endocrinology at the School of Medicine, and Hannah R. Kowarski, Ph.D., professor of pharmaceuticals at Temple's School of Pharmacy. Most enhancers tried

by the husband-wife research team could not move the molecule into the bloodstream or were irritating to the nasal membrane. Then

Dr. Hannah Kowarski thought of essence of licorice—an enhancer already used for other drugs, such as cough syrups. She found the absorption rate of the licorice-enhanced insulin spray matched the normal action of the pancreas. Within a few minutes after

use, the blood level of insulin peaked and 40 minutes later fell to a safe level.

The researchers note that the nasal spray does not require refrigeration, making it more portable than injectable insulin. Since it would be used just before eating, diabetics could eat when they like, rather than time their meals closely.

The Kowarskis are seeking FDA approval to conduct large clinical trials.

For more information, call (410)328-3411 ♦

**Since it would
be used just
before eating,
diabetics could
eat when they
like, rather
than time their
meals closely.**

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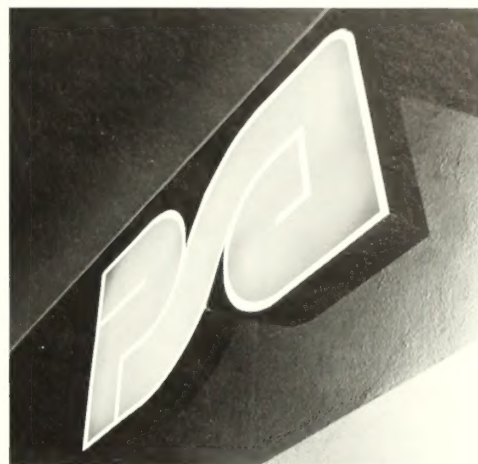
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Building for the Future

New facilities taking shape from
the ground up

Visit downtown Baltimore—home to the University of Maryland School of Medicine for nearly 200 years—and you may think you’ve lost your bearings—even if you did just cheer the Orioles on at neighboring Camden Yards this past season. That’s how fast the topography is changing at UniversityCenter, the new “Neighborhood of Discovery” marked by a lighted sign high atop the School of Medicine’s Bressler Research Building.

Though still anchored by the immediately identifiable columns of Davidge Hall, all other boundaries are shifting by leaps and bounds in the 121-acre area, encompassing not only the University of Maryland Medical Center, but the new Veterans Affairs Medical Center and the professional schools of the University of Maryland at Baltimore.

Walk in either direction on Greene Street and you’ll see something new. On one side of University Hospital at Lombard Street, construction is underway on the 287,000 square foot, 185-bed Homer S. Gudelsky patient tower, scheduled for completion in 1994. Stroll a few blocks north, just past the recently opened Veterans Affairs Medical Center, and you’ll find the School of Medicine’s new Biomedical Research Facility, located at 108 North Greene Street.

The latter facility, dedicated in December, was designed to provide flexible space for laboratories, research offices, teaching and small group conferences. Among the building’s many advanced features are specialized facilities for a built-in computer network, irradiation of cells, cell and tissue culture, fluorescence spectroscopy, sterilization facilities and central

and open areas for large and shared equipment.

Initially, the Biomedical Research Facility will house the School of Medicine’s department of biological chemistry and Center for Fluorescence Spectroscopy. The former has 21 major laboratory groups conducting biological research using the tools of biochemistry and molecular biology. The latter is nationally recognized for developing new techniques in fluorescence spectroscopy and for applying the advanced methods of fluorescence spectroscopy to research problems. Center users include scientists from around the world.

“What is really terrific about this building is that it expands the boundaries of this neighborhood’s revitalization,” said Baltimore Mayor Kurt L. Schmoke, noting how the surrounding areas have followed suit and undergone facelifts as well. “That’s great, not only for the University of Maryland but for the City of Baltimore, too.”

Also settling in since their building’s December dedication are tenants of the new Allied Health Building, located at 100 Penn Street. The School of Medicine’s department of medical and

research technology, the largest accredited medical technology training program in the country, occupies the third and fourth floors. Students may now be found in one of two lecture halls, four teaching laboratories, five research laboratories, the tissue culture lab or the pathogen lab.

Sharing quarters in Allied Health is the School of Medicine's department of physical therapy. Three teaching labs, a lecture room and a state-of-the-art motion research lab are available for students in the Physical Therapy program, and the faculty practice clinic provides excellent facilities for patient treatment.

But the biggest jewel in the School of Medicine's bricks and mortar crown is yet to come. After years of deliberation and planning, construction has begun on Phase I of a state-of-the-art Health Sciences Facility. When completed, the facility will provide 86,000 square feet of research space, primarily for the School of Medicine, which has seen its research grants and contracts



Health Sciences Facility

increase to \$84.5 million in FY'92. (That figure is expected to reach \$100 million this year, putting the school among the top 25% of all schools in total grants and contracts.) A proposed second phase of the facility would add another 100,000 square feet.

"The Health Sciences Facility is yet another visible manifestation of the

One such effect will involve employment: while being built, the facility will generate nearly 1,400 construction jobs between FY'92 and FY'96. When completed, approximately 370 direct and indirect, permanent research-related jobs should be created, and \$20 million in additional net income is anticipated each year. Nearly \$10 million of

"Having the Health Sciences Facility moves us much closer to achieving excellence in biomedical health sciences research and student education," said School of Medicine Dean Dr. Donald Wilson.

UniversityCenter neighborhood we are building and the life sciences vision we are pursuing," said UMAB President Errol L. Reese at the March 1 groundbreaking ceremony. "The success of that vision and its economic impact on the city and the state will be dramatic."

that total will be in direct new grants and contracts generated, with the remainder expected in direct income.

"Having the Health Sciences Facility moves us much closer to achieving excellence in biomedical health sciences research and student educa-

tion," said School of Medicine Dean Donald Wilson. "It will also help us recruit and retain outstanding faculty and attract top undergraduate, graduate and post-graduate students."

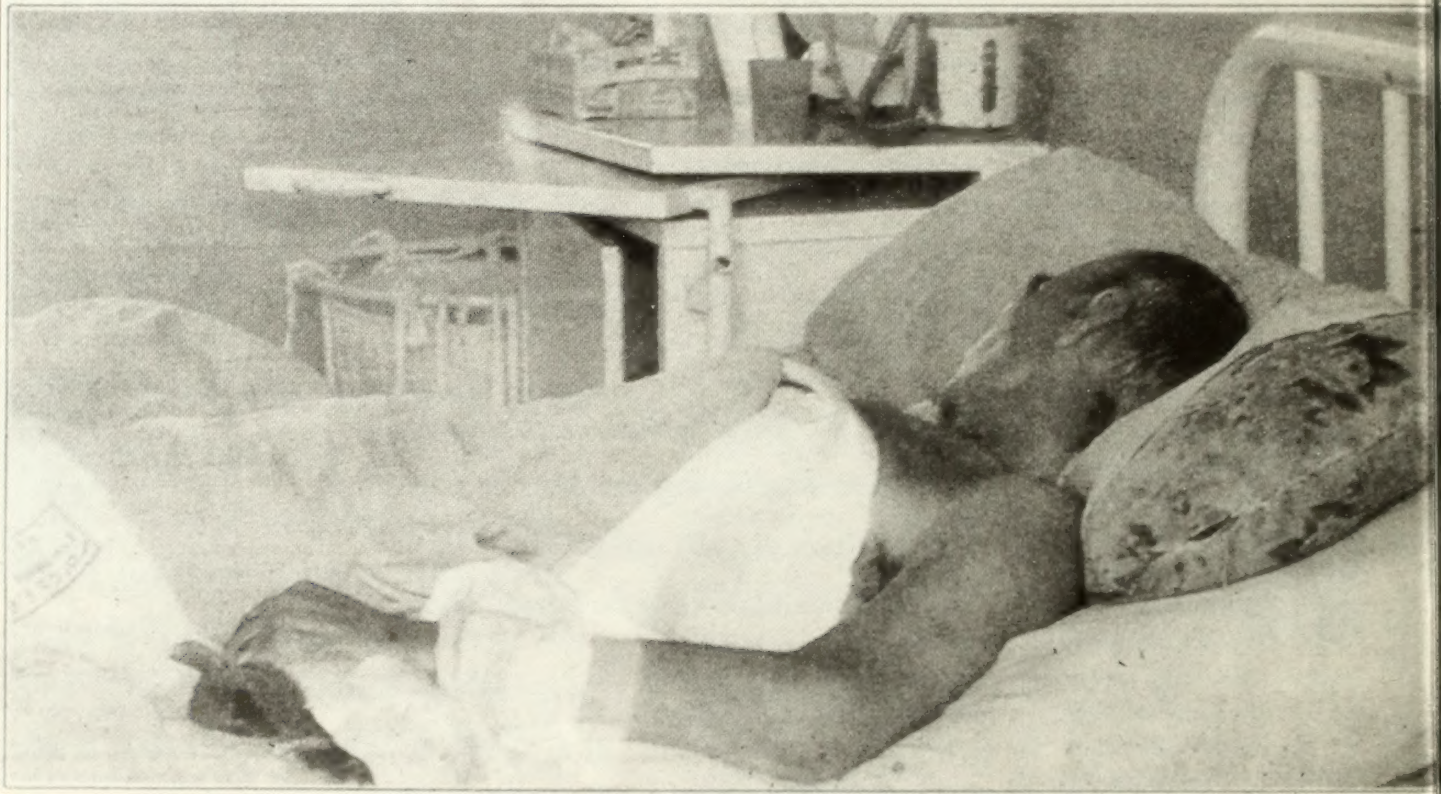
Joining Dr. Wilson and Dr. Reese for the groundbreaking ceremonies were Maryland Governor William Donald Schaefer; Mayor Donald Schmoke; Senator Paul Sarbanes and Representative Ben Cardin, both from Maryland's Congressional delegation; State Comptroller Louis L. Goldstein; Baltimore Economic Development Corporation Director Honora Freeman; University of Maryland Medical System President Morton I. Rapoport, M.D. '60; Board of Visitors member and prominent Baltimore businessman Walter Sondheim; and School of Pharmacy Dean David Knapp.

"This facility will truly put our School of Medicine in the major leagues of medical research and education to stay," concluded Dr. Wilson. Phase I is scheduled for completion in 1995.

◆ Vicki Strittmater

Vicki Strittmater is the public affairs officer for the School of Medicine.

Emergencia en todo ZÓCULO



*In 1991, cholera caused an
explosive epidemic in South America,
culminating in more than 350,000 cases and
thousands of deaths.*

Chile

A!

- Enfermo, aislado en hospital; otro caso en observación
 - Prohíben venta de platos de pescados, mariscos y verduras frescos
 - Vea cómo evitar el mal en su casa
- (Páginas 2, 3 y última)

Edmundo Castillo, trabajador gráfico, de 58 años, es la primera víctima chilena del cólera. Está fuera de peligro en el hospital "Dr. Lucio Córdova".

What would you do if you knew of a disease that struck without warning, spread like wildfire, affected young people and adults, caused terrible suffering and was so virulent that a victim could be chatting with his children in the morning and laid out for his funeral by nightfall? If you're Dr. Myron Levine of the university's world-renowned Center for Vaccine Development, you get right to work.

The University of Maryland Center for Vaccine Development had long been interested in developing a vaccine against cholera—one of the world's oldest scourges. "We knew what we were after," says Dr. Myron M. Levine, director of the Center for Vaccine Development, "but before the horizons were opened by the possibilities of genetic engineering, we simply couldn't make much progress." (Dr. Levine is also professor and head of the division of geographic medicine of the department of medicine and professor and head of the division of infectious diseases and tropical pediatrics of the department of pediatrics.) Yet Maryland boasted the world's only university vaccine center capable of undertaking comprehensive vaccine development for such diseases as typhoid, malaria, and cholera—from basic science to clinical evaluation and field trials. If Dr. Levine and his group didn't find a vaccine, who would?

The good news for researchers was that cholera is a self-immunizing disease; meaning that if you get cholera and survive it, you won't get it again. In addition, the toxin produced by the cholera bacterium is the sole culprit—it alone creates severe cholera.

**Maryland researchers
engineer a benign bacteria
that will protect millions**

Science in the Time of Cholera

BY KAREN DONOHUE MEYER

The Bulletin • 15

Researchers well understood that if they succeeded in eliminating the toxin from the bacterium they'd effectively eliminate the threat to people. And they knew that because the body's immunity to repeated cholera infections is developed from exposure to the bacteria's surface antigens—rather than from the toxin itself, the best vaccine candidate would lack the virulent toxin, but have its surface antigens preserved. Finally, an oral, one-dose vaccine would be ideal because the strongest immunity to cholera is established in the intestinal tract and because it would be convenient to

administer to vast numbers of people around the world. All that was missing was the technology that could factor in the prerequisites and create the vaccine: the process of genetic engineering.

When such technology first became available in the early 1980s, the Center for Vaccine Development's Dr. James B. Kaper, associate director for laboratory research and professor of medicine, microbiology and immunology, pounced on it. "Existing vaccines," explains Kaper, "such as those for tetanus and diphtheria, use toxins inactivated by chemical treatment. Our new cholera vaccine would con-



Thousands of subjects worldwide—adults and children—have participated in clinical studies of the new vaccine.

tain a toxin inactivated by deleting the genetic material responsible for the toxicity."

The team began isolating selected strands of virulent vibrio cholerae DNA, looking for the bacteria's toxin genes. The critical gene sequence was revealed by

autoradiography that displays DNA with radioactive nucleotides as dark bands on X-ray film. Scientists then used enzymes to "cut" away the DNA-labeled sequence for cholera toxin molecule A, the enzymatically active "bad guy" that poisons the

But Does it Bite?

Creating a regulatory approval model for recombinant DNA technology

Just because you've got a genetically altered vaccine doesn't mean you can market it—or even test it. "Getting regulatory and administrative approval for CVD 103-HgR was a trial in itself," explains Dr. Myron Levine. "We jumped through an unbelievable number of hoops." CVD 103-HgR was the first live, genetically engineered bacterial vaccine to be tested outside a contained environment or evaluated in developing countries.

When the Center for Vaccine Development first sought permission to conduct outside studies, almost no one—including the Food and Drug Administration (FDA), the World Health Organization, the Pan-American Health Organization and the U.S. Agency for International Development—had yet come to grips with the reality of recombinant DNA technology. Dr. Levine and his colleagues needed FDA approval that included review of data on the potential environmental consequences from releas-

ing the vaccine strain into the community. The need for this information had scientists conducting environmental background studies that involved recreating a miniature Chesapeake Bay in which to release the new cholera strain and demonstrate that its behavior was not more threatening than that expected from wild-type cholera bacteria. The Center for Vaccine Development also provided lack-of-transmission data for the new strain—assurance that it would not spread from person to person in society.

Getting approval to develop and use the new vaccine was 100 times more difficult than it will be for future generations

Eventually, researchers got some help from the FDA, which recognized the benign nature of the DNA technology that created CVD 103-HgR. Approval for clinical trials was granted, and they proceeded successfully.

Yet, commercial licensing in the United States still lags behind Europe, where the new vaccine will be available for use by travelers this year.

"CVD 103-HgR is the pathfinder—an historic organism," concludes Dr. Levine. "Getting approval to develop and use the new vaccine was 100 times more difficult than

human intestinal tract. Toxin molecule B, the attractant that binds bad guy A to intestinal cells, was retained so that antibodies would develop in the intestinal tract and provide future protection against the cholera toxin.

Next, the genetically modified DNA was introduced into a harmless lab version of E-coli bacteria for observation of its behavior. When it performed as expected, the modified DNA was transferred to virulent vibrio cholerae, replacing the wild, toxic genes in a process known as homologous recombination. Colonies of altered bacteria were frozen and saved as seed for future large-scale colonizations and eventual use in clinical and field trials.

Before achieving the ultimate success, Dr. Kaper says he and his colleagues had to alter several gene sequences, "trying to achieve a balance between immunogenicity and reactogenicity." Some early candidates prevented cholera, but still gave study volunteers an unpleasant intestinal illness. Finally, the vaccine candidate that appeared highly efficacious without causing side effects was found—and named CVD 103-HgR.

To date, almost 4,000 volunteers—age 24 months to 50 years—have taken part in safety/immune response

studies conducted in the United States, Switzerland, Italy, Thailand, Indonesia, Peru, Chile, Costa Rica, Colombia and Mexico. Positive results obtained from studies involving Marylanders and Europeans have led to the impending European licensing of CVD 103-HgR for use by travelers. In creating large quantities of the new vaccine, the Center for Vaccine Development worked with the Swiss Serum Vaccine Institute in Bern, Switzerland, whose industrial-scale facilities enable them to make and store the new vaccine in commercial amounts.

This spring, the first large-scale field study looking at the efficacy of the vaccine for people living in an environment where cholera is common got underway in Indonesia, a "hotbed of endemic cholera." Approximately 70,000 subjects were vaccinated in cooperation with the Indonesian Ministry of Health. "Now," says Dr. Levine, "we sit back and wait for three long years to see what happens." A single oral dose of CVD 103-HgR promises to provide a rapid onset of immunity and long-lasting protection at relatively low cost—completing the profile of an ideal cholera vaccine and offering hope that cholera may one day be controlled.

Two—or-Three— for One

Carrier vaccines under development

The Center for Vaccine Development is also among the world's leaders in developing a new vaccination concept called the carrier vaccine. This is envisioned as a live typhoid or cholera vaccine strain that carries genes of unrelated diseases that will stimulate the body's development of protective antibodies against those diseases. Thus, one inoculation would protect against several pathogens. Already, Center for Vaccine Development researchers Dr. David Hone and Dr. Myron Levine have shown that an attenuated oral typhoid vaccine strain that carries malaria or HIV antigens can stimulate an immune response in lab animals. Although a multi-purpose vaccine for humans is still in the future, investigation into multi-purpose carrier vaccines continues even as researchers develop additional single vaccines against the most dangerous infectious diseases.



Reunion '93

Reunion '93 was a tremendous success.

Over 900 alumni and guests attended a 4-day program filled with education, nostalgia, and just plain fun. Tours of various areas in the school gave us a special chance to show off our revitalized campus and Dean Wilson's update further emphasized the progress achieved in the past few years. The Crab Feast Cruise on the Bay was a delight, with calm waters and blue skies. Our loyal Puerto Rican contingent was out in force and filled us in on the origin of the special relationship that has existed for so many years between Puerto Rico and Maryland. Best of all, Davidge Hall was filled with laughter as hundreds of old friendships were renewed.

As I begin my year as president of the Medical Alumni Association, I regard myself as a truly lucky man.

We have had a banner year during 1992-93 and I have every expectation that we will continue on the same path. We will break our own new records for the number of alumni at Reunion and for funds raised for the school. We will maintain and improve our traditional services to alumni, friends, housestaff, students and faculty, and we will initiate new programs to better serve all of our constituencies.

I welcome the new members of the Board of Directors for 1993-94: Morton Kramer '55, Barry Friedman '69, and Willarda Edwards '77. These outstanding individuals will bring new insights and fresh ideas to augment the experience of the current members. This can only make us stronger and better able to grow as an organization.

During my year as president, I invite each of you reading this message to write to me or to our executive director with your suggestions and comments. We are committed to the concept of a volunteer-driven organization, so your ideas are very important to us.

Let me take a moment to acknowledge a group of volunteers who are absolutely vital to the Medical Alumni Association: our class captains. I have been involved with the association for 10 years and I am continually amazed at the dedication of that loyal group. Many were class officers in medical school and have continued to represent their classmates ever since—some for 50 years or more. Others have stepped in later when needed, but very few have refused "the call." So to those who make the phonothons and reunions work, my deepest gratitude and respect.

Finally, my thanks to the officers and past presidents who have done so much over the years to build and maintain the strong and vital association I now proudly inherit. Efforts such as the recent placement of the Perpetual Fund with an independent money manager under the leadership of Past Presidents Tom Hunt and George Lentz and Treasurer Rick Taylor illustrate the concern our officers have traditionally exhibited for ensuring the preservation of the Medical Alumni Association.



New MAA President Harry Knipp '76 receives his gavel from Tom Hunt '54.

Harry C. Knipp '76
Harry C. Knipp '76

REUNION
MAY 6-9, 1993



Reunion photos may be ordered by calling the Alumni Association at 410-706-7454.



John Beale Davidge Alliance Luncheon



New members of the John Beale Davidge Alliance join Dean Donald E. Wilson (far left) and MAA President Thomas E. Hunt, Jr. (far right): Dr. John Wilber, Barry Schlossberg '68, Stuart Brager '58, Herbert Levickas '46, and Jack Morgan '43D.

This year the members of the Alliance were joined by charter members of The 1807 Circle, who are donors of \$50,000 or more to the School of Medicine or University Hospital. We missed our traditional University Club setting, but enjoyed the excellent luncheon and incomparable view from the Center Club at the top of the USF&G Building downtown.



Charter members of the 1807 Circle: Rick Taylor '75, Louis Shpritz '70, James Appleton '61, David Litrenta '61, Theodore Woodward '38, Dr. and Mrs. Donald E. Wilson, Selvin Passen '60, Irving Taylor '43M and David Sills '46 with MAA President Thomas E. Hunt, Jr. '54.



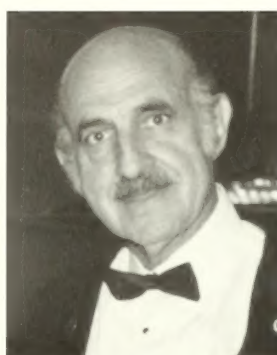
The 1993-1994 Board



1993-94 Medical Alumni Association Board



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Benjamin M. Stein '35



Scientific Session

1993 Scientific Program
Presentations by the Class of 1968

*Introduction by Stanford Malinow, MD and Charles Edwards, MD
Class Co-Captains*



Stan Malinow, MD '68 receiving his 25-year certificate



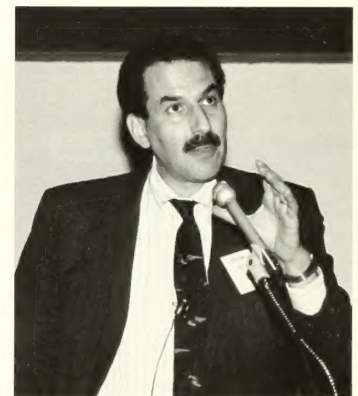
Joel Renbaum, MD '68 receiving his 25-year certificate



OBSTETRICS: THEN AND NOW
Kirk (Mike) Keegan, MD



IMMUNOLOGY OF LUPUS
Barry S. Handwerger, MD



PREVENTION OF ATHEROSCLEROSIS
Frank A. Franklin, Jr., MD



The Class of 1968, celebrating their Silver Anniversary, invited nine of their number to make brief presentations on their research and clinical experiences. From leprosy to trauma, the quality of the material was absolutely first class. The 25-year certificate ceremony and a wine-and-cheese reception followed.



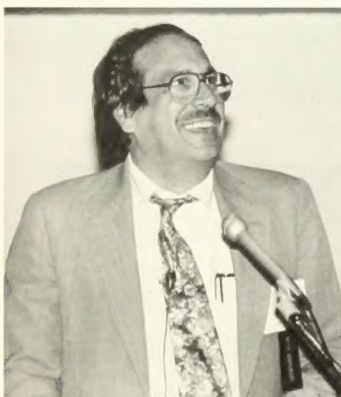
GUILLAIN BARRE
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Carol L. Koski, MD



ADVANCES IN
MICRO-VASCULAR
PLASTIC SURGERY
Carl G. Quillen, MD



LEPROSY IN BALTIMORE
Irving D. Wolfe, MD



OVERVIEW OF
INFECTION IN THE
TRAUMA PATIENT
Ellis S. Caplan, MD



CORRECTION OF SPINAL
DEFORMITY:
NEW FRONTIERS
Charles C. Edwards, MD



NEW CONCEPTS IN THE
TREATMENT OF PEPTIC
ULCER DISEASE
Richard A. Baum, MD



Crab Feast



REUNION MAY 6-9, 1993

Due to construction and lack of parking at the Medical School Teaching Facility, this year's Crab Feast was held on the *Bay Lady*. It was a perfect evening to cruise the Inner Harbor: blue skies, warm weather, a glorious sunset and plenty of crabs! Almost 500 people were aboard, including the Class of 1993—the newest members of the alumni family.





Dinner Dance



The traditional dinner dance in honor of the Golden Anniversary Class had a special twist this year with two classes rather than one being honored. During World War II, the School of Medicine operated on a year-round schedule, graduating as many new physicians as possible to aid the war effort. Consequently, full classes graduated in both March and December of 1943. Our motto for 1993: The more the merrier!





*President Thomas E. Hunt, Jr. '54
and Thomas B. Connor '46, winner of
the 1993 Medical Alumni Association
Service Award*



*Michael B. Oldstone '61, 1993 winner of
the Honor Award and Gold Key.*

Call for 1994 Awards Nominations

Alumni, faculty and friends are invited to send in nominations for 1994 awards by February 1, 1994. The Honor Award and Gold Key is awarded to a living alumnus based on "outstanding contributions to medicine and distinguished service to mankind." Factors considered in the selection process include: impact of accomplishments; local, national and international recognition; supporting letters; and publications.

The Medical Alumni Association Service Award is given to an individual who has provided "outstanding service to the Association."

Letters of nomination for both awards must include a curriculum vita and should be addressed to:

Theodore Patterson, M.D., Chairman
Awards Committee
Medical Alumni Association
522 W. Lombard Street
Baltimore, Maryland 21201



Class Parties



Class of 1938



Class of 1943D



Class of 1943M



Class of 1948



Class of 1953



Class of 1958

After many requests, we finally took the hint and moved class parties to Friday evening of Reunion Weekend. The results speak for themselves: record overall attendance! It just goes to show how valuable your comments are . . .



Class of 1963



Class of 1968



Class of 1973



Class of 1978



Class of 1983



Class of 1988



Glass Notes

1947

B. Stanley Cohen of Baltimore, clinical professor of neurology at the University of Maryland School of Medicine, received the American Academy of Physical Medicine and Rehabilitation Recognition Award for Distinguished Clinicians. This award honors psychiatrists who have achieved distinction through scholarly teaching and outstanding performance in patient care activities.

1951

Henry D. Perry, Jr. of Plantation, FL is the recipient of the Hollywood, FL Chamber of Commerce 1992 Community Service Award. "We are very proud to be able to give it to him," said Chamber Executive Director Nicki Grossman. "He has made major donations in time and financial support—very quietly—to a number of organizations." The award caps Dr. Perry's 33-year medical practice that ends this year. Dr. Perry, who began practicing obstetrics in 1959, quit in 1977 to concentrate on gynecology. He says of his obstetric years "I delivered babies of the babies I had delivered."

1955

Leonard Morse of Worcester, MA has been chosen president-elect of the Massachusetts Medical Society. Dr. Morse has become well known for his practice of handing each new patient a price list. He believes that patients have the right and responsibility to know what medical care costs. As chairman of the Massachusetts delegation to the AMA, he authored a resolution last summer to encourage all doctors to post the prices of their products and services.

1962

Class Captain **Ted Patterson** continues his distinguished career in both medicine and civic service in Dundalk, MD. He has been recognized for his service on the Democratic State Central Committee and the boards of the Baltimore County Medical Association, the Dundalk Chamber of Commerce and Patapsco Federal Savings and Loan. Here on campus, he has been especially active in minority recruitment and fund-raising. He is a past president of the Medical Alumni Association and past chairman of the Lois Young-Thomas Minority Scholarship and Leadership Guild.

1968

W. Bryan Stauffer of Kalamazoo, MI is the new staff physician in the Sindecuse Health Center, effective July 1993. Dr. Stauffer has been in private practice for 20 years.

1972

Conrad E. Nagle of Oxford, MI has been installed as president of the American College of Nuclear Physicians (ACNP) and will represent the College before nuclear medicine regulatory agencies and the Congress for the 1993 term. He has been an extremely active member of the ACNP for 15 years. Dr. Nagle is the chief of nuclear medicine services at the William Beaumont Hospital in Troy, MI. He is also active in the Society of Nuclear Medicine and the American College of Sports Medicine. Dr. Nagle has over 30 publications, including three book chapters. He has served as a reviewer for the *Journal of Nuclear Medicine* and on the editorial board of *The Physician and Sports Medicine*.

1974

E.W. Van der Jagt of Pittsford, NY recently became board certified in pediatric critical care. Dr. Van der Jagt and his wife

Janet have a family of seven including a set of twins.

1977

Willarda V. Edwards of Baltimore has been elected to a second term as secretary of the Baltimore Medical Society for 1992-93. She was elected 3rd vice president of the National Medical Association last summer.

1979

Burt I. Feldman of Rockville, MD writes that he and his wife Flora became parents last November 4, when their son Jay was born. Dr. Feldman is an internist at the Veterans Affairs Medical Center in Washington, DC in the ambulatory care clinic and enjoys his teaching role.

1982

Emilio S. Vazquez of Jackson, TN is a Navy Lieutenant Commander. He recently received the Navy's commendation medal in recognition of meritorious accomplishments, achievements and performance of duty while serving at the Naval Hospital in Patuxent River, MD.

1986

Ira L. Fedder of Randallstown, MD recently joined

the Towson Orthopedic Associates, Scoliosis and Spine Center team. Dr. Fedder has presented at national meetings and has published in both the orthopedic spine and clinical pharmacology fields. The center is nationally recognized for its specialty in spinal reconstructive surgery.

Jeffrey Louis Snow of Fuquay-Varina, NC married Catherine DeVincentis, Ph.D. in April 1992 and completed a fellowship in child and adolescent psychi-

atry at Children's Hospital in Washington, DC in July. He is medical director of the adolescent residential treatment program in Raleigh, NC.

1989

Patricia A. Martin and Eugene Sullivan of Denver, CO were married in April 1992. Gene is a pulmonary fellow in Denver, and Patricia is completing a psychiatry residency in Richmond, VA. They are expecting a baby in July.

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Sojourns

A Fine Wine

Many of us only dream of a villa in the Napa Valley wine country. But James Konrad, M.D. '67 and his wife Leslie have realized that dream—complete with vineyard. Their Tuscan style hillside home overlooks the lovely historic village of St. Helena, California, while their 10-acre vineyard sits a few miles away on isolated Mt. Veeder.

"I had been interested in wines for years," says Dr. Konrad, "so when I moved to San Francisco to practice at the University of California Medical Center, I began to take enology courses at UC Davis on weekends. Finally, in 1976, I heard that a vineyard was for sale and took the plunge."

The vineyard had been closed since the turn of the century, so Dr. Konrad spent many weekends clearing brush and replanting. He now has three acres in Cabernet Sauvignon grapes and seven in Chardonnay. The Konrads experimented for a few years with making and marketing their own wines, with Mrs. Konrad working for a year in wine marketing in San Francisco to learn the trade.

But the Konrads found that marketing wines is a



Dr. James Konrad inspects a glass of Konrad Vineyard Cabernet Sauvignon

full-time commitment and more—involving dinners and lunches each week to acquaint buyers with the product.



Leslie Konrad

"Short of James giving up medicine, we really couldn't see a way to continue our own marketing," says Mrs. Konrad.

They soon decided to stick to growing exclusively and now sell all their grapes to two small wineries in St. Helena. The Konrads' Cabernet grapes go to Calafia, which produces several hundred cases of Konrad Vineyard Cabernet Sauvignon each year. The Chardonnay grapes are sold

to Clos Pegase.

Don't look for either wine in your local wine shop, though. Like many of the best California wines, they are not widely available outside the immediate area except by special order.

After moving to St. Helena, the Konrads began to plan their home and completed building in 1990. Inspired by their travels in Italy, the house is marked by a cool, elegant serenity. With little need for air conditioning in Northern California, French doors are opened to the outdoors in warm weather and the Konrads take their meals on the shaded terrace overlooking the valley. The house, designed by Richard Schuh of Ned Forrest

Architects in Sonoma, was featured in last September's issue of *Metropolitan Home*.

Dr. Konrad practices locally at Redbud Community and Sutter-Lakeside Community Hospitals, specializing in nuclear medicine.

"We have the latest technology and the hospitals are linked electronically,

so it is only rarely necessary to send a case to my old colleagues in the city."

And with an idyllic lifestyle like this one, there is rarely a need, we imagine, to leave the valley for any other reason.

❖ Carole Cassidy Miller



Calafia Cellars Cabernet Sauvignon

Sojourns

Do you have an unusual hobby, avocation, collection or experience to share? Write and tell us about it! Copies of clippings from other publications are fine, or just send a summary of a page or so. From time to time, we will select a submission and publish a story.

Student News

On Thursday evening, April 29, 250 alumni and students enjoyed a cookout on the Davidge Hall lawn followed by a baseball game at Camden Yards. The weather was perfect and the food was good, but the Orioles lost to the Twins. Guess you can't have everything!



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In Memoriam

Francis A. Reynolds '21
Pompano Beach, FL
February 16, 1993

Frank R. Lewis '30
Willards, MD
September 28, 1992
Dr. Lewis served his internship at Women's Hospital in Baltimore, and went on to practice for the next 52 years in Willards. Dr. Lewis was active in his church and the president of the Farmers Bank of Willards for 46 years. He is survived by his wife, Ella; two sons; a brother; three grandchildren and two great-grandchildren.

Charles Y. "Choppy" Moser '30
Kingwood, WV
November 12, 1992
Dr. Moser was the director of the Preston County, WV Public Health Department from 1935 until 1966. Prior to that time he was in general practice. Dr. Moser directed the Wesley Methodist Church choir for 50 years and sang tenor in the choir until his death. He was also a pianist who shared his talents with several community organizations. Survivors include his wife Jessie.

Lewis K. Woodward '35
Woodstock, VA
February 1, 1993
Dr. Woodward interned at the University of Maryland Hospital and was chief resident in surgery at the



*Dr. Lewis K. Woodward Sr.
and
Dr. Albert Schweitzer, 1964*

Baltimore City Hospitals under the direction of Dr. Arthur M. Shipley, a prominent Baltimore surgeon. During World War II, Dr. Woodward served in the U.S. Marine Corps, with service on Guadalcanal and other Pacific islands. After the war, he resumed his surgery practice in Front Royal, VA and then moved to Woodstock where he was head of the surgical service.

Dr. Woodward later became the medical director of the Department of State for a number of years. In this connection he traveled and consulted extensively throughout the world, often accompanying his friend, former Secretary of State Dean Rusk. On several occasions, he visited with Dr. Albert Schweitzer in Africa. He is survived by his wife, the former Fannie Mae Mundy; a daughter, Martha Francis of Florida; a brother, Dr. Theodore E. Woodward '38 of Baltimore and three grandchildren.

Baxter S. Troutman '36
Lenoir, NC
February 3, 1993

Stephen C. Makowiak '37
Sherwood Forest, MD
February 20, 1993

Wilbur S. Brooks '38
Enfield, CT
July 2, 1992
Dr. Brooks trained at Mercy Hospital in Baltimore on a rotating internship and then at Baltimore City Hospital as a pathology resident before moving to New York and a radiology residency at the Polyclinic Hospital. Dr. Brooks enjoyed genealogy research and collecting antiques. Among the survivors are his wife Jane, four children and seven grandchildren.

Donald J. Roop '40
Baltimore, MD
December 19, 1992
Before earning a degree in public health from the Johns Hopkins School of Hygiene and Public Health, and a degree in tropical medicine

through Walter Reed Hospital in Washington, Dr. Roop served his internship and residency at the Mercy Medical Center in Baltimore. Following a three year stint in the Air Force, Dr. Roop practiced medicine with his father, Dr. Ernest P. Roop in Frederick County and served as county health officer. Dr. Roop moved to Baltimore County in 1948 and served as assistant county health officer there until 1951, when he became the regional medical director for Humble Oil, where he remained for 15 years. In 1967, he was named health officer of Baltimore County and directed the health department until he retired 20 years later. During his tenure, Dr. Roop developed programs for the elderly, began an industrial health service for county employees and instituted services for the mentally ill. In 1963, Baltimore County named him Physician of the Year.

Dr. Roop was a diplomate of the American Board of Preventive Medicine, past president of the Baltimore County Medical Association, former first vice president of the Medical and Chirurgical Faculty of Maryland and past president of the Conference of Local Health Officers. He served on the staff of Mercy and St. Joseph hospitals.

Faculty News

Survivors include his wife Patricia, two sons and five grandchildren.

Jesse L. Wilkins '40

Annapolis, MD

January 25, 1993

Dr. Wilkins was an intern at Doctors Hospital before joining the Army Medical Corps and becoming part of the 29th Division when it landed in Normandy in World War II. After the war he served surgical residencies at Mercy Hospital in Baltimore and the Veterans Hospital in Huntington, WV. He was a member of the Anne Arundel County Medical Society, the Medical and Chirurgical Faculty of Maryland and the American Medical Association. He is survived by his wife Cornelia, a son, two daughters and four grandchildren.

William J. Bryson '43M

Sykesville, MD

March 1993

Charles E. Brady '44

Robbins, NC

December 4, 1992

Anthony A. Lewandowski '55

Baltimore, MD

February 21, 1993

Specializing in internal medicine and kidney disease, Dr. Lewandowski was a captain in the Army Medical Corps in Europe in the late 1950s and practiced privately in

Baltimore from 1962 until 1990 when he retired. Dr. Lewandowski served on the staffs of University, South Baltimore General, Mercy, St. Joseph, Maryland General and Union Memorial Hospitals and the Greater Baltimore Medical Center. He was a member of the Medical and Chirurgical Faculty of Maryland, the American College of Physicians and the American Society of Nephrology. In the 1970s Dr. Lewandowski served as assistant professor of medicine at the University of Maryland School of Medicine. He is survived by his wife Patsy, two sons and a daughter.

John L. Caldwell '68

Washington, DC

March 7, 1993

Yvonne Johnson '74

New York, NY

March 17, 1993

Dr. Johnson completed her internship and residency in New York City at Harlem General Hospital and Columbia Presbyterian Medical Center. A native Baltimorean, Dr. Johnson was a graduate of Morgan State University where she established a scholarship fund for female chemistry majors interested in medicine. Survivors include her parents, a brother, two nieces and a nephew.

Barry Donesky, M.D., clinical instructor in the department of obstetrics and gynecology, division of reproductive endocrinology, received the ACOG-Mead Johnson Research Fellowship Award.

Hermione M. Hicks, M.P.A., has been named director of recruitment in the admissions office at the School of Medicine. She will also continue to lead the school's Project 3000 by 2000 effort.

M. Jane Matjasko, M.D., chair of the School of Medicine's department of anesthesiology and president of the University of Maryland Medical System medical staff, has been elected director of the American Board of Anesthesiology. Of the 12 directors nationwide, Dr. Matjasko is only the second woman to be elected to the post.

Donald E. Wilson, M.D., dean of the School of Medicine, testified before the Senate Veterans' Affairs Committee in Washington as a representative of the American Association of Medical Colleges. Dr. Wilson described VA-medical school affiliations and the VA research program as two positive examples of how the VA contributes to the

overall health care system.

At another stop on the speaking circuit, Dr. Wilson also recently addressed 30 reporters from around the country who were attending a fellowship at College Park on "Paying for Health Care." His topic was primary care physicians versus specialists and their effects on health care costs.

Dr. Wilson was recently honored by the Baltimore Alumni Association of the Tuskegee Institute for his support in the empowerment, career and professional development of African-Americans in education and health care.

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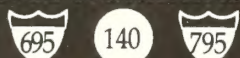
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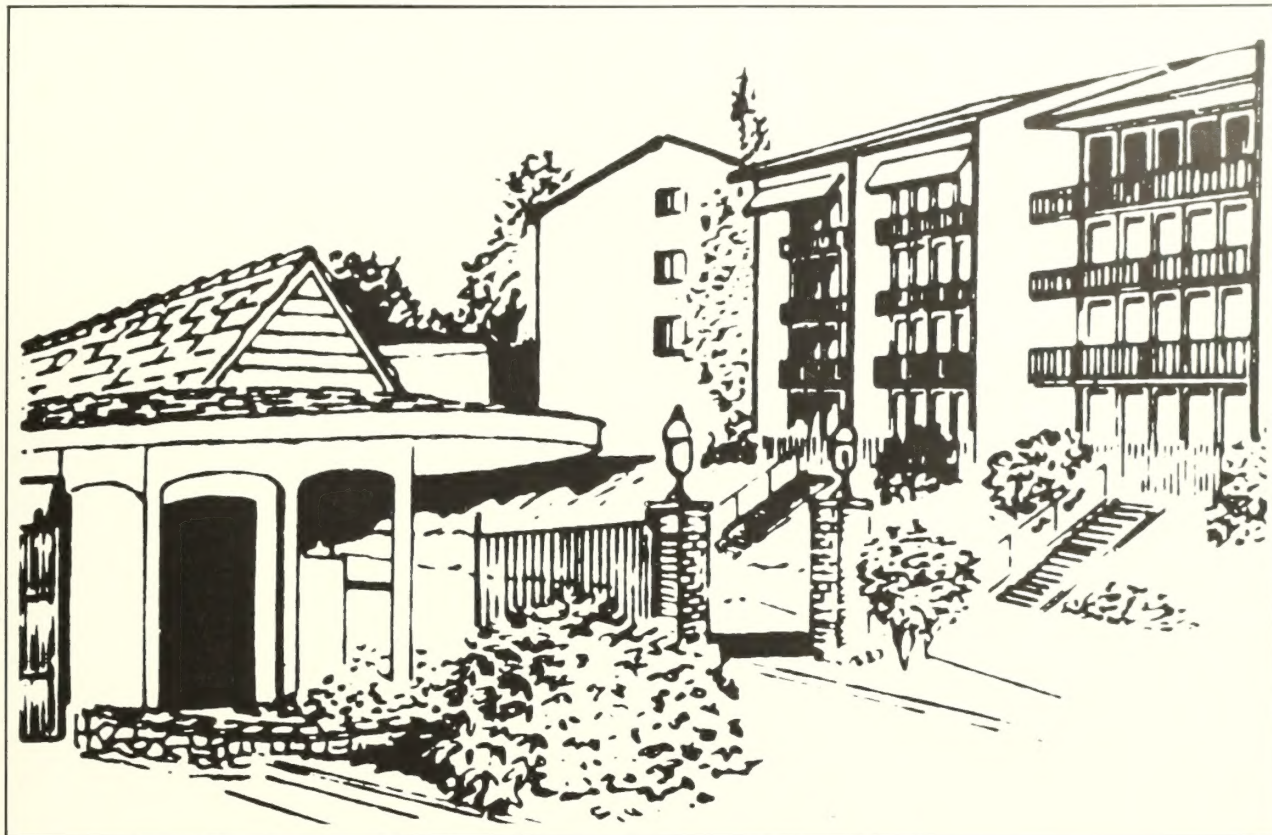
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▲ **On Saturday, February 20**, President Tom Hunt, M.D. '54 and Executive Director Carole Cassidy Miller greeted guests at a cocktail reception held in conjunction with the annual meeting of the American Academy of Orthopedic Surgeons in San Francisco. Special guests included John Kenzora, professor and chairman of orthopedic surgery at the School of Medicine, and his lovely wife Adrienne.

Over 70 alumni, faculty, house staff and spouses attended the reception—an especially good turnout since everyone had to dodge the rainshowers to attend.

Friday, April 2 found Dean Donald E. Wilson, Vice Dean Frank Calia, M.D., Executive Director Carole Cassidy Miller, and Chairman John Kastor, M.D. of the department of medicine hosting an "All-Maryland" reception at the annual meeting of the American College of Physicians in Washington, D.C. We were joined not only by a healthy contingent of our own alumni, but by friends and co-hosts from Johns Hopkins and the Maryland ACP Chapter.

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A splendid sunset was the perfect setting for this year's Reunion Crab Feast aboard the *Bay Lady*. Almost 500 alumni and guests were aboard, savoring the bountiful crabs while cruising Baltimore's Inner Harbor.

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The Bulletin

MEDICAL ALUMNI ASSOCIATION • SCHOOL AND HOSPITAL • FALL 1993, VOLUME 78, NO.2

Sudden Infant Death

Maryland's

SIDS Institute

finds new clues

to causes

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The Secrets of Sudden Infant Death Syndrome

The perplexing and tragic SIDS is the leading cause of death among infants. Now, a small computer chip is giving researchers at the University of Maryland's SIDS Institute a new look at what happens in the hours before an infant suffers an unexplained death.



Cover photograph
by Peter Howard

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Dr. Ellen Silbergeld bridges troubled waters

Dr. Ellen K. Silbergeld, recipient of a MacArthur Foundation "genius grant," bridges the worlds of laboratory research and politics. An international expert on toxic substances, Dr. Silbergeld has played pivotal roles in changing public policy—including phasing out the use of lead in gasoline.

18

"Microbe Hunter" Honored

The Medical Alumni Association awarded its 1993 Honor Award and Gold Key to Michael Oldstone, M.D. '60, Ph.D. '61, head of the division of virology in the department of neuropharmacology at The Scripps Research Institute in California.



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Finding the Model Applicant

When 4,000 hopefuls are vying for one of just 145 spaces, how do you make the choice?



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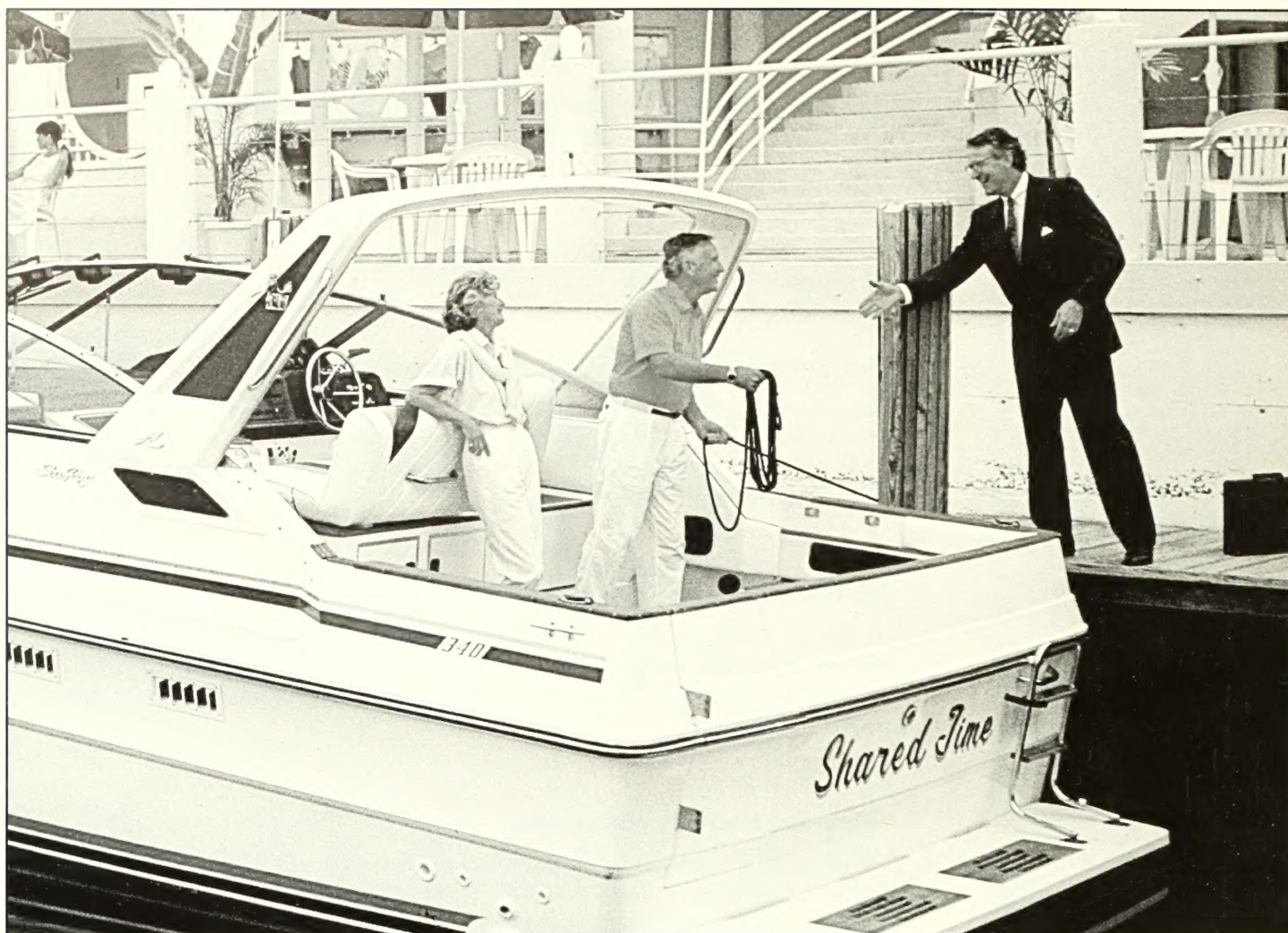
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Contributors/Ginny Cook, Nancy Kercheval, Vicki Strittmater /Class Notes Editor/Pat Mallek

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Message From the Dean



Donald E. Wilson, M.D., Dean

Welcome back to what I am sure will be a most exciting academic year. In the last issue of *The Bulletin*, I talked about our strategic planning process and its imminent completion. I am pleased to tell you that the process is now completed. The identification of our vision, goals and objectives, along with strategies to implement them, was completed in 18 months. This is a remarkable achievement, particularly when you consider that such a process had never before been undertaken in the School of Medicine's long history.

It is probably no surprise to you that the one major stumbling block to implementing the plan is money: we expect implementation to cost approximately \$15 million over the next three to four years, and we are still facing the possibility of an additional budget cut of nearly \$1 million in FY95.

That is why insertion of a "commercial message" is necessary here. If you have not already contributed to our capital campaign, I would urge you to do so. The recommendations that have emerged from the strategic planning process—some of them bold new

ideas, some for long-overdue changes—will take our medical school into the 21st century.



While on the subject of contributions, we recently received the results of a study that examined the impact of the School of Medicine on the Maryland economy. I would like to share some of those positive results with you.

Supplemented by state support of \$43.7 million, representing direct allocation, indirect support and tuition, the school responded with expenditures of \$244 million, most of that invested in Maryland. And those dollars did not stop at their first destination, but multiplied as they moved through the economy to generate a \$450 million gross impact. Of this, \$382 million was new net income that would not have been available to Marylanders or Maryland businesses without the school's presence. This means that for every \$1.00 in state funding the school received, \$10 went back to the state.

As an employer of more than 2,700 of Maryland's citizens at all skill and salary levels, the School of Medicine is equivalent in size to Blue

Cross/Blue Shield of Maryland. Combined with the nearly 5,500 employees of the University of Maryland Medical System, which serves as the school's primary teaching hospital, the two entities become the University of Maryland Medical Center, the state's sixth largest employer. In FY92, we were also able to leverage the taxpayer funds we received and generate nearly 7,750 jobs in Maryland; more than 6,780 were net new jobs.

So not only are we training Maryland's future health care professionals and life scientists—nearly half of whom stay in the state to live and work—we are also committed to supporting Maryland's move into the millenium as a significant contributor to its economic strength. I hope you will join us in that commitment, especially those of you who have, as I have, made this state your home.

I hope this year, which marks the beginning of my third here at the School of Medicine, is a healthy and productive one for each of you.

Donald E. Wilson, M.D.
Dean

News

Mark K. Joseph joins board of visitors

Mark K. Joseph is the newest member of the School of Medicine Board of Visitors, replacing businessman Walter Sondheim. Mr. Sondheim resigned his post after being appointed to the Maryland Board of Higher Education by Governor William Donald Schaefer. Mr. Joseph is president and CEO of the Shelter Group, which develops and finances real estate throughout the United States. The Group's operating companies and partnerships control, asset or

property manage more than a half billion dollars in real estate.

Shelter has more than 10,000 units under its management and is the sponsor of the \$300 million SCA Tax Exempt Fund.

Prior to founding Shelter, Mr. Joseph was chairman of the executive committee and a partner in the law firm of Gallagher, Evelius & Jones, where he was engaged in the practice of real estate and corporate law.



Before his entry into the private sector, Mr. Joseph served first as Baltimore City's deputy housing commissioner, and then as development director and counsel to the mayor. From 1975 until 1980, he headed the Baltimore City Board of School Commissioners. As president of the board, he chaired the nation's seventh largest school system.

Mr. Joseph graduated with honors from Brown University and the Harvard School of Law. He has been a member of the faculty and Board of Visitors of the University of Maryland School of Law. Mr. Joseph taught seminars in law and

poverty and urban legal problems. He also authored the housing finance law creating the Maryland Community Development Administration. He has served on numerous private and public boards.

Currently he is president of the public policy division of the Greater Baltimore Committee and a member of its board.

The Reading, PA native now resides with his family in the Roland Park area of Baltimore.



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Getting to the Heart of Chest Pain

UMMC's Chest Pain Evaluation Center gives quick, efficient diagnosis

When chest pains strike, a patient's initial fear is that he is suffering a heart attack. Once he enters the emergency room, it can take an average of 3.25 days of hospitalization before tests verify or relieve his anxiety and stress.

The Chest Pain Evaluation Center at the University of Maryland Medical Center emergency room, however, can eliminate or diagnosis the chance of heart disease within 18 hours through special monitoring and tests.

The emergency room records 5,000 to 7,000 visits a year from patients complaining of chest pain.

"Chest pains usually buy a ticket into the hospital. The clinicians worry the patient has heart disease," says Dr. Samuel Rodriguez, co-director of the center.

"Excluding an infarction is important," says Dr. Rodriguez. "It's equally important to determine if this person has heart disease and this is the first presentation."

So, if heart disease can be ruled out, it eliminates some of those patients who fall into the gray zone where the probability that they have heart disease can go either way.

That allows physicians to direct their energies to other causes of the discomfort.

Upon arrival at the emergency room, the patient complaining of chest pains is taken directly to the chest pain center, a separate unit located in a recently renovated section of the Emergency Room. It even has its own waiting room for family members.

"It's quiet and reclusive," says Dr. Rodriguez. "These patients are going to be here

for a while and they may be having a heart attack."

Hooked up to an EKG, the patient is followed closely for any fluctuations in the heart functions during a nine-hour period. The goal is to rule out heart disease through serial EKG monitoring and enzyme testing.

A commitment from Dr. Robert Christenson, the director of Clinical Chemistry Laboratories, speeds up the results of the test for the presence or absence of elevated levels of serum myoglobin. If the conventional chest pain patient shows no elevation of serum myoglobin, a cardiac infarction can be ruled out.

"Looking at that marker

is definitely novel," says Dr. Rodriguez.

A visit to the Chest Pain Evaluation Center is not like any other emergency room visit a patient probably will experience. But Dr. Rodriguez says the lengthy visit is better than a hospital admission.

"I think overall it is less stressful to be in the hospital for 18 hours than three days," says Dr. Rodriguez. "While being on a bed in a ward can be more comfortable than being in the emergency room, the center is less disruptive than a three-day hospitalization."

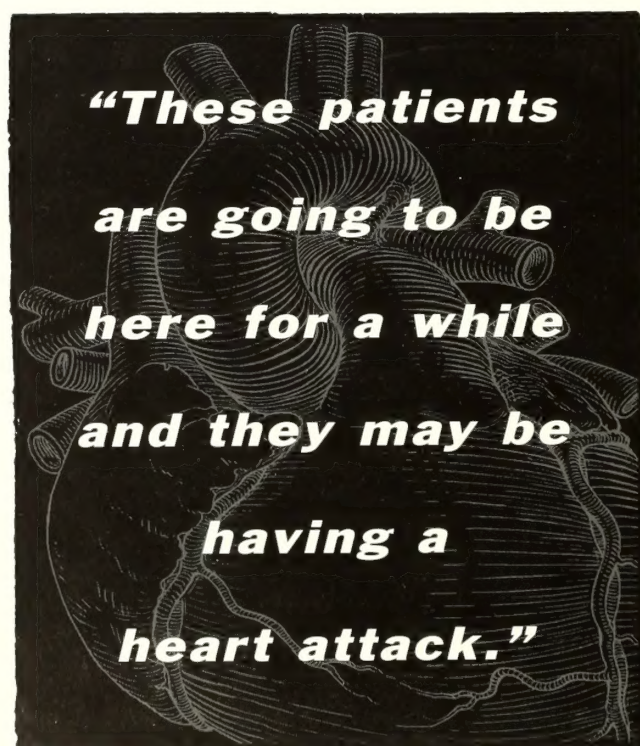
As time goes on, Dr. Rodriguez says he'd like to further reduce the hospital stay.

Not only is the visit long for the patient, the 18-hour stay is an "enormous amount of time" to the emergency room doctor who is accustomed to making snap decisions without the luxury of waiting several hours for test results to come back.

Still, the emergency room doctor with the assistance of a cardiology consultation can make a better diagnosis and determine whether the patient can be sent home or should be admitted.

For more information, call the University Physicians Consultation & Referral Service, 1-800-373-4111.

Nancy Kercheval



Through the Eyes of Babes

Assessing binocular vision in infants

Babies make difficult subjects for researchers. They are most uncooperative when directions are important for the success of the research.

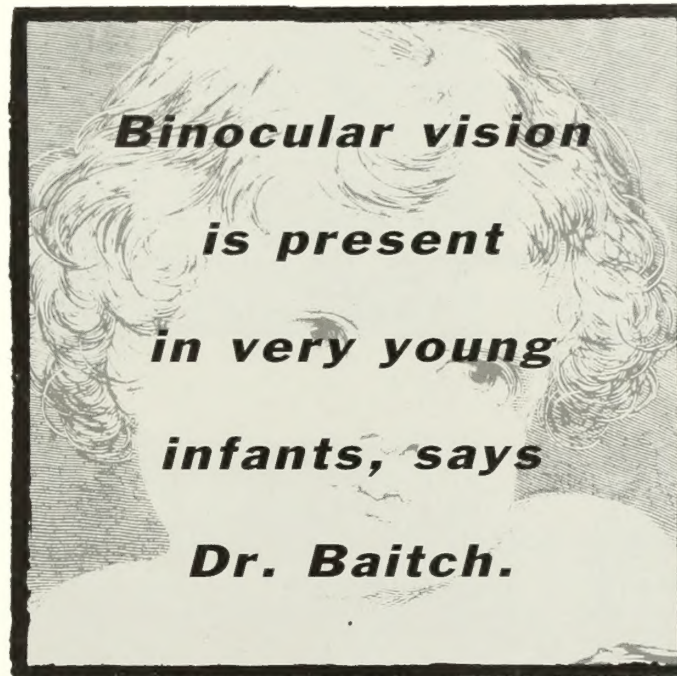
But Dr. Lawrence Baitch, director of neurosensory services at the University of Maryland Medical Center, uses visual electrophysiology to test babies and others who have difficulty following directions or communicating their responses.

"Electrophysiology allows us to measure the electrical signals produced by the eye in response to visual images," says Dr. Baitch.

Among the many studies ongoing in his department, Dr. Baitch is studying the development of binocular vision through the eyes of babes.

Binocular vision is present in very young infants, says Dr. Baitch. "The goal is an early screening device to see when binocular vision begins to go awry."

By adult age, 80 percent of the cells should be binocular, the rest will be left eye and right eye cells. Too few



binocular cells cause problems with sight.

To study the baby's binocular vision, goggles are placed over the eyes and

*"The analogy is this:
if you have a bad
driver who keeps
running off the road, do
you give him a wheel
alignment or teach him
how to drive," says
Dr. Baitch.*

lights—each flickering at a different speed—are diffused through the eyelids.

"We present one rate of flicker to one eye and another

one to the other," he says.

"If there is a binocular response, we'll get a difference in frequency. By measuring the magnitude of the response, we can index the population of binocular neurons.

"It's great because the test is independent of where you're looking. You just close your eyes," he says. "So a person can be cross-eyed or looking anywhere. It's independent of fixation."

Taking away the outside contamination and getting rid of fixation and visual details, researchers are able to get readings on binocular vision as early as seven weeks, says Dr. Baitch, who believes binocular vision may occur even earlier.

Dr. Baitch also is trying

to sort out the chicken or the egg questions surrounding surgery to correct eye problems.

Dr. Baitch and pediatric ophthalmologist, Dr. Mark Preslan, have a pool of 28 patients who have undergone surgery to correct eye deficiencies.

Following a pre-surgical examination of each patient's binocular vision, they follow-up with post-surgical check-ups every three months.

"We're studying these patients to see how their binocular vision changes as correction is administered," he says.

"Some people say surgeons can't cure binocular vision defects. The analogy is this: if you have a bad driver who keeps running off the road, do you give him a wheel alignment or teach him how to drive," says Dr. Baitch. "The question is whether the binocular vision itself is causing the eye misalignment. If so, then re-aligning eyes is not going to cure the problem," he says.

"That's a question that's still unanswered," Dr. Baitch adds. "We need to find out whether they're actually curing binocular vision problems or simply curing a symptom of a larger problem."

For more information, call the University Physicians Consultation & Referral Service, 1-800-373-4111.

Nancy Kercheval

Pre-Commencement 1993

The Meyerhoff Symphony Hall was the setting for School of Medicine pre-commencement ceremonies on May 21 and the Medical Alumni Association's photographer was there to record the event. Graduates who were photographed with their families will receive a print in the mail shortly; readers may also call the Alumni Office to order copies of the photos here. A first for the Medical Alumni Association was the participation of President Harry C. Knipp '76, who welcomed the new graduates to the alumni family.



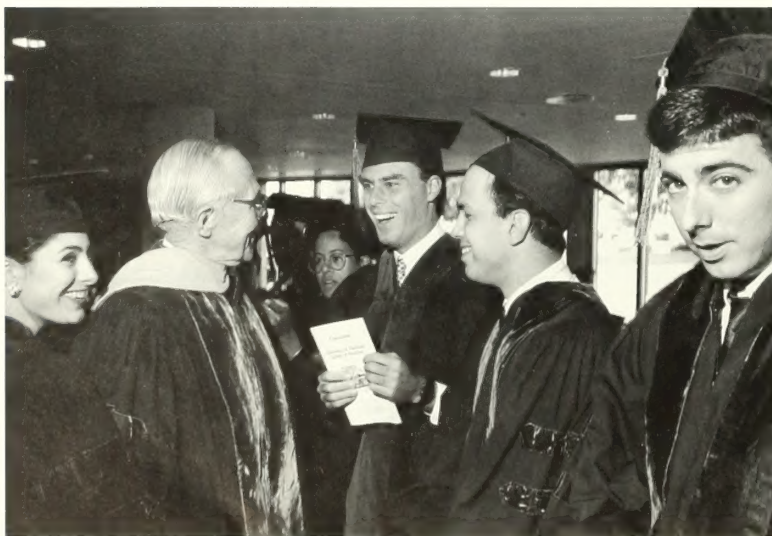
Harry C. Knipp '76, MAA President



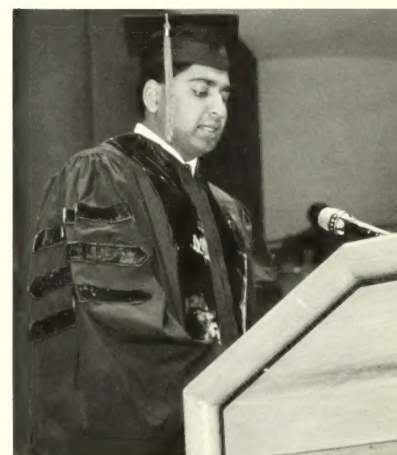
Alden Peoples '93 and family



Lisa Fabijanski '93, Class Valedictorian



Helen Nitsios, Bill Mable, Jeff Magaziner and Mark Keenan '93 with Dr. Woodward '38



Vinay Gupta '93, Class President



Thomas Yau '93 and family



*Michael Cushner '93 and
Gilbert Cushner '58*



Mace bearer Phil Mackowiak '70 with Dr. Connor '46



*Faculty members Carlyle Crenshaw
and Anthony Imbembo*



John White '93 and family



*Thomas Connor '46 and
Kathryn Connor '93*

The Secrets of Sudden Infant Death Syndrome

**Memory monitor at
UM's SIDS Institute holds
new clues to causes
and treatments**

By Nancy Kercheval

It's 2 a.m. An alarm pierces the dark silence. Anxious parents bolt upright in their beds. Within seconds, their feet hit the floor and they're running to the crib to check on their baby who is susceptible to Sudden Infant Death Syndrome.

If they're lucky, the alarm was false or the sharp noise jump-started the baby's breathing.

But once in a while, mom and dad have to start CPR to revive the infant. Sometimes it works, sometimes it's too late. Then the baby becomes one of the 5,000 to 7,000 annual SIDS statistics nationwide. In Maryland, SIDS is blamed for about 100 infant

deaths each year.

The unexplainable and perplexing SIDS is the leading cause of death among infants under the age of one.

Although researchers continue to probe the causes of SIDS, Dr. M. John O'Brien, director of the SIDS Institute at the University of Maryland, says, "There

A small computer chip is giving researchers a new look at the baby's functions in the hours before the infant suffers an unexplained death.

is no reason to expect SIDS rates will drop dramatically. It is becoming relatively more important as other deaths have dropped off."

But a small computer chip is giving researchers a new look at the baby's functions in the hours before the infant suffers an unexplained death.

Dr. Robert Meny, director of the SIDS Institute's clinical unit, now has insight into the mechanics of SIDS.

Until three or four years ago, there was no objective physiological data on what causes SIDS, says Dr. Meny. But then the SIDS Institute became one of the first centers in the world to switch over to a home monitor with a memory chip.

"Until the memory monitor, nobody had a clue about what really happened when a baby died," says Dr. O'Brien.

Home monitors keep tabs on the baby's breathing and heart rate. When either drops below a certain level, an alarm goes off, signaling the parents there is a problem. The early monitors did not give researchers a clear idea of whether the infant was suffering from apnea or changes in the heart rate. The memory monitors give researchers the ability to study changes in the baby's breathing and heart rate before the alarm sounds.

Using the data from monitors attached to babies that died of SIDS, Dr. Meny said researchers discovered "many babies continued to have chest movements long into the death process while the heart rate was dropping."

The information surprised many researchers who were under the belief that SIDS overcame babies who forgot to breathe while they slept.



PETER HOWARD

"Looking at the death traces, I saw basically the same thing with some variations," said Dr. Meny. "It was the heart rate dropping first or simultaneously with the onset of apnea. The \$64,000 question is 'what is causing the bradycardia?'"

Dr. Meny is among the researchers trying to determine if there are low oxygen levels in the blood before the heart rate starts to drop, whether the apnea might be caused by throat obstruction, or if a dysfunctional brain stem signals the heart to slow down and eventually stop.

"The reason I'm looking for what causes bradycardia is that after the baby's alarm sounds for low heart rate, the parents respond quickly and do their best to resuscitate the baby," he says. "They stimulate like crazy. Then why does the baby die?"

Although he can't answer the question, Dr. Meny says, "All of a sudden after years of ignorance, we do have the beginning of some kinds of mechanism."

If researchers discover that low oxygen levels precede death, then Dr. Meny says it is no longer good enough to send infants home on a cardiac-respiratory monitor. Instead, some should be placed on oxygen monitors.

The memory monitor also has shown researchers that "SIDS is not always sudden," said Dr. Meny.

"Some death traces show that the babies are dying over a span of two hours, yet the autopsy is compatible with SIDS," says Dr. Meny.

The memory monitor also gives researchers information on use of the monitor. In the mid-1980s, the SIDS Institute was seeing a baby die each month—primarily because the parents or guardians neglected to use the home monitors. In the past two years, that number has dropped to about five babies a year.

"It became very painfully clear that we had to have monitors that recorded compliance," said Dr. Meny.



First SIDS journal to premiere

Researchers will soon have their own publication in which to disseminate their information of SIDS. The University of Maryland and Plenum Publishing Corporation recently signed a contract to create the first journal devoted exclusively to SIDS. Dr. Lois Roeder, associate professor of pediatrics, will edit the new publication, scheduled to premiere in 1995.

Continued on next page

SIDS

Continued from preceding page

Babies who end up on home monitors fall into three categories. About one-third of the babies have a life-threatening event at home, another 50 percent are preemies who are ready to go home except for breathing difficulties, and 10 to 15 percent are siblings of SIDS victims.

Still, researchers are throwing out a variety of ideas as to why SIDS strikes—suffocation, sleep position, lung shutdown. All are speculative.

Until a cause is found, Dr. O'Brien says health policy needs to concentrate on prevention. For instance, premature babies have a higher incidence of SIDS. Often these births are associated with lifestyle conditions such as smoking, teen-age pregnancies, poor pre-natal care and drug addiction.

A single SIDS death is said to impact the lives of 100 people.

"Some SIDS is almost preventable—which leads to the idea that SIDS is not caused by a single homogenous entity," says Dr. O'Brien. "The sudden death is the link all babies have in common. Controlling factors can differ." Another common factor, however, is the grief and guilt it causes parents.

The reduction in size of the average family is "making babies relatively more precious," says Dr. O'Brien. "That's one reason SIDS is such an enormous calamity when it happens."

A single SIDS death is said to impact the lives of 100 people. The peak time is two to four months with 90 percent of SIDS striking youngsters under the age of six months.

Within the SIDS Institute there is a SIDS Information and Counseling Program to support families who lose a baby to SIDS. In addition, first responders answering the call of a SIDS death are taught to handle the parents with respect instead of pointing accusatory fingers.

"It is a condition defined by the absence of any condition," says Dr. O'Brien. "Giving the occurrence a name—SIDS—allows people to grieve more effectively."

For more information, call the SIDS Institute, University of Maryland Medical Center, 410-328-6523, or University Physicians Consultation & Referral Service, 1-800-373-4111.

Nancy Kercheval is a free-lance writer based in Baltimore.

SIDS: More Clues, More Questions

"If most research is looking for a needle in a haystack, then SIDS research is looking for a needle in haystacks. I think we're finally looking in the right haystack."

Dr. J. Tyson Tildon, professor of pediatrics, is directing research into the causes of Sudden Infant Death Syndrome, targeting the heart and lung.



Dr. J. Tyson Tildon

SIDS peaks during the first one month to six months of life, a time when infants' bodies are going through hundreds of changes at a swift pace. Therefore, says Dr. Tildon, it is reasonable to believe something goes awry during those changes.

SIDS research concentrates on several areas with "the newest kid on the block," according to Dr. Tildon, focusing on the lung and cytochrome P450, the detoxification mechanism. During the first months of life, an infant develops its own immunological system while dependence on the mother's antibodies subsides.

"It may well be that abnormalities in developing cytochrome P450 result in the inability to handle toxic agents," says Dr. Tildon.

In recent years, with the assistance of SIDS monitors that record the lung and heart functions, evidence indicates SIDS victims experience bradycardia prior to death. Using the blood of SIDS victims, Dr. Tildon says researchers want to see if it causes bradycardia in rats.

Another school of thought is that an interfering factor, presently unknown to researchers, circulates through the blood system. This factor may be a protein or an unknown toxin, suggests Dr. Tildon.

The distribution of catecholamine receptors and the pattern they form under normal conditions on the heart also has caught researchers' attention. "If a high level of catecholamine sees an immature pattern (of receptors), this could malfunction," he says.

The SIDS unit also continues to collaborate with the division of human genetics to determine if some cases may be caused by inherited metabolic defects in fatty acids and organic metabolism. These disorders may be related to the occurrence of risk in SIDS families.

Whatever the cause, Dr. Tildon says, "There is something unique about that time period. "We started looking for the silver bullet. That was probably a mistake," says Dr. Tildon. "My strong bias is that what we call SIDS is not one thing but a combination of several things that causes SIDS."

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*MacArthur Award Winner Uses Science
To Change Public Policy*

Dr. Ellen Silbergeld bridges troubled waters

by Ginny Cook

Dr. Ellen Silbergeld read the FAX transmission handed to her by a colleague at the Environmental Defense Fund in Washington, D.C. The message was a simple yet desperate plea: "Government is meeting on mercury. Can you come?"

Dr. Silbergeld went. As a senior toxicologist with the Environmental Defense Fund and a professor of epidemiology and preventive medicine at the University of Maryland School of Medicine, she answered the urgent appeal from a small group in Para,

Brazil, deep within the Amazon. There miners use mercury to extract gold deposits from the Amazon waters and in the process court disaster—"loading the Amazon ecosystem with toxic mercury, a metal directly linked to birth defects and mental retardation," says Dr. Silbergeld.

While linked to the rest of the world via FAX machines—even in the remote Amazon—Brazil lacks a toxicology school and the basic information about toxic metals. Dr. Silbergeld says her translated lectures on the toxicity of mercury were widely attended by settlers, Indians and government officials. Dr. Silbergeld focused world attention on the dangers of

mercury in the Amazon. Now the spotlight has shifted to her.

* * *

In June, the 47-year-old researcher and public policy advocate received a MacArthur award—\$290,000 over five years. The money comes from The John D. and Catherine T. MacArthur Foundation with no strings attached—no research justification or progress reports to file. "It was like a fantasy," says Dr. Silbergeld when the foundation called with news of her selection. Recipients are nominated anonymously and share a capacity for genius. They possess a rare blend of originality, dedication to creative pursuits and

photo by Peter Howard



Ellen K. Silbergeld, Ph.D., recipient of the MacArthur Foundation's "Genius Grant," has become a powerful influence on environmental public policy.

the power of self-direction.

Although unsure of exactly how she'll use the money, Dr. Silbergeld wants to "make a difference." Already, her career includes a lengthy list of achievements. The University of Maryland toxins expert has

"Agencies claim they are acting on a scientific basis, but in reality, there is little science and few scientists who play a role in decisions."

developed a blood test for lead (patent pending) that produces results in about 30 min-

utes, investigated how lead affects the brain and how lead levels in males affect their offspring. As part of an Environmental Defense Fund team, she played a pivotal role in 1990 when McDonald's switched to paper wrappers from foam containers.

Dr. Silbergeld has published more than 140 research papers and served on 63 scientific committees since 1975. She reviews

manuscripts for 13 scientific journals including *Science* and sits on the editorial boards of six more environmental journals.

In 1967 she graduated summa cum laude from Vassar College and in 1972 earned a Ph.D. in environmental engineering sciences from Johns Hopkins University and spent a decade researching toxic substances.

Now Dr. Silbergeld is as

comfortable in public policy debates and on environmental committees as she is behind the laboratory bench. But when she first entered the political arena after 10 years as a basic scientist investigating neurotoxins and neurotoxicity, "I didn't have the faintest idea what to do. But when you're in a slow moving boat that moves into the rapids, something hits you on

Continued on next page

"An overwhelming majority of policy makers are scientifically illiterate. They need to know how to analyze data and where to get information."

Silbergeld, *continued from preceding page*

the head and you learn quickly," she says.

Two months into her EDF tenure, Dr. Silbergeld was smacked by the Reagan Administration proposal to put lead back into gasoline. "I was appalled at the logic," she recalls. "After 10 years of research on the dangers of lead, the policy announcement called for more lead in gasoline."

With the EDF and the Environmental Protection Agency, Dr. Silbergeld prevailed in getting the federal government to phase out the use of lead in gasoline. "This gave us a sense of how scientific information can sway environmental regulations," she says. But the experience also pointed out a basic flaw in how scientific knowledge usually gets translated into political decisions.

* * *

"An overwhelming majority of policy makers are scientifically illiterate," Dr. Silbergeld says. "They need to know how to analyze data and where to get information. We [scientists] hold the magic mantra. We can be influential, or unpopular—if we don't know the answers or give those that are unwelcome."

For Dr. Silbergeld, the "single most unpopular thing I've done" involved the RESCO incineration plant in Baltimore. About eight years ago, incineration was hailed as the way to handle trash, she explains. Landfills were disgusting and with space at a premium, burning rather than burying trash seemed the answer.

Dr. Silbergeld was invited for a VIP tour of the RESCO incinerator operated under contract with the Maryland Department of the Environment. Here the benefits of burning were touted as trucks hauled away the ashes for use in covering landfills and as grit on icy streets in winter. Dr. Silbergeld asked for some ash which she promptly took to her lab for analysis.

The results were deadly—the residue failed all Environmental Protection standards, she says. What had been casually handed to her was hazardous waste loaded with toxic metals such as mercury, cadmium and lead—lead levels were as high as 12,000 parts per million, she says.

What followed was a lawsuit brought by the Environmental Defense Fund to

force comprehensive waste management policies that promote source reduction instead of passing on risks. This case will be heard before the Supreme Court in the fall of 1993.

Baltimore was not alone in its zeal to torch its solid waste. Around the world, Dr. Silbergeld visited incinerators in Norway, Denmark, Paris, and the Isle of Jersey. Some have since been closed. Even the government of Bermuda called upon Dr. Silbergeld's expertise when they had plans to incinerate trash and sprinkle the black ash on the island's pink beaches "to make Bermuda bigger," she explains.

The basic fallacy is that burning doesn't get rid of solid waste. It is a "processing technology which provides the benefit of reducing the amount (weight and volume) of waste but does little or nothing to alter the burden of ultimate disposal," Dr. Silbergeld wrote in a 1988 article with co-author Richard Denison.

What's more, incineration fails to manage metals, Dr. Silbergeld explains. Once burned, some toxic metals become volatile—vaporizing, then condensing

on the ash making them small enough to be breathed in or easily ingested. The toxic effects are well-documented. In addition to carcinogenic effects, devastating neurological, hepatic and renal consequences can ensue. Lead, for example, is a neurotoxin at very low doses. Cadmium is also neurotoxic and can cause lung and kidney damage and is a carcinogen and a mutagen that may also be toxic to the fetus. Mercury, too, is neurotoxic, particularly to the fetus.

With all this information at their fingertips, why did cities around the world spend money on incinerators that would ultimately produce hazardous waste? "All that information sits there. There is no one to present it in a cogent and compelling way to make people understand," Dr. Silbergeld explains.

"Agencies claim they are acting on a scientific basis, but in reality, there is little science and few scientists who play a role in decisions," she continues. "Yet we know science can be influential—that it holds the key to unlocking information."

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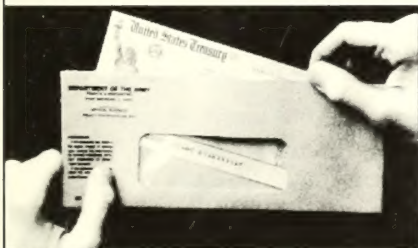
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*Michael Oldstone, M.D. '61 receives
1993 Distinguished Alumnus Award*

"Microbe Hunter" Honored

By Vicki Strittmater



*Michael B. Oldstone '61,
1993 winner of the
Honor Award and
Gold Key.*

A time was when the imaginations of many youngsters were ignited by the adventures of Tom Swift or the Hardy Boys. Not so with young Michael Oldstone. His inspiration was a book called *The Microbe Hunters*. It obviously changed his life, for today this alumnus is head of the division of virology in the department of neuropharmacology at The Scripps Research Institute in California, and professor of neurosciences and pathology at the University of California at San Diego School of Medicine.

The guiding tenet of Dr. Oldstone's life has remained unwavering since medical school. "I was interested in why people became sick, rather than what they had," he says. That curiosity led

him to spend the next two and one-half decades investigating, as he simply puts it, "how viruses infect cells and then evolving strategies to keep it from happening."

Dr. Oldstone's 400+ publications and 227 abstracts (listed in a 68-page CV) bear more witness to the complexity and range of his work than does this modest gentleman, who insists that his success is also a reflection on his lab group. He has explored immune complex disease, viral diseases of the central nervous system, the immunopathology of persistent viral infections, the role of viruses in systemic disease and novel treatment methods of viral diseases.

Those who choose a difficult career path may often recall a defining moment in their lives that took them in

a certain direction. Michael Oldstone believes that people, rather than occurrences, may dictate or create a career one chooses. He attributes his choice to the defining influence of his student colleagues and professors, people who stimulated and satisfied him intellectually. The former include six or seven widely scattered classmates, with whom Dr. Oldstone has stayed in touch. The latter includes Dr. Theodore Woodward, '38 whom Dr. Oldstone encountered during his first week as a medical student. Dr. Woodward's influence remains with his former pupil to this day.

"I hope there are other teachers like him around today," says Dr. Oldstone. "Physicians in academic medicine have so many other concerns now, raising

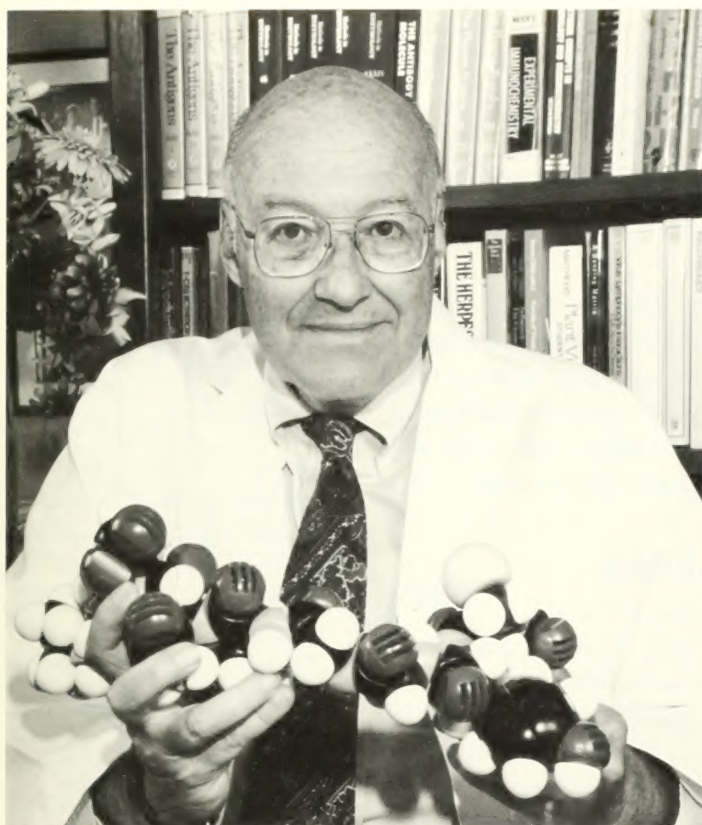


PHOTO COURTESY THE SCRIPPS RESEARCH INSTITUTE

funds for research, remaining competitive. Students are driven by a different set of circumstances, as well, including a substantial debt upon graduation. I graduated with a debt of \$8,000. Those were simpler times."

Michael Oldstone believes that people, rather than occurrences, may dictate or create a career one chooses.

Dr. Oldstone's belief in the importance of mentoring has carried over into his own career. He does not hesitate to say that his great-

est personal satisfaction has come from training nearly 50 fellows over the years and seeing their success.

It was no surprise then that this extraordinary physician/scientist was chosen as the recipient of the Medical Alumni Association's 1993 Honor Award and Gold Key for his "outstanding contributions to medicine and distinguished service to mankind."

One has to wonder what a former professor, who told Michael Oldstone that he would never make a living out of his chosen field, would think today. For not only has Dr. Oldstone made a living from it, he has made it his life.

Call for 1994 Awards Nominations

Alumni, faculty and friends are invited to send in nominations for 1994 awards by February 1, 1994; nominations will be retained and reconsidered annually for three years after submission. Letters of nomination for both the Honor Award and Gold Key and the Medical Alumni Association Service Award must include a curriculum vita and should be addressed to:

Theodore Patterson, M.D. '62, Chairman
Awards Committee
Medical Alumni Association
522 W. Lombard Street
Baltimore, MD 21201

The Honor Award and Gold Key is awarded to a living alumnus based on "outstanding contributions to medicine and distinguished service to mankind." Factors included in the selection process include impact of accomplishments; local, national and international recognition; supporting letters; and publications. Living recipients are:

Joseph Nataro '25	John D. Young '41
Thomas B. Turner '25	Robert E. Wise '43
George H. Yeager '29	Joseph R. Guyther '43D
Herbert Berger '32	John M. Dennis '45
Benjamin M. Stein '35	Arlie R. Mansberger, Jr. '47
Stanley E. Bradley '38	David A. Kipnis '51
Theodore E. Woodward '38	Mario R. Garcia Palmieri '51
John Z. Bowers '38	William S. Kiser '53
Schuyler G. Kohl '40	Michael B.A. Oldstone '61
	Lewis Caplan '62

The Medical Alumni Association Service Award is given to an individual who has provided "outstanding service to the Association." Living recipients are:

George H. Yeager '29
Benjamin M. Stein '35
Gibson J. Wells '36
Theodore E. Woodward '38
Thomas B. Connor '46
Virginia Huffer '50
Henry Startzman '50
William J. R. Dunseath '59

Class Notes

1929

Earl Leroy Chambers of Wilmington, DE keeps active by walking two miles a day, reading a book every month and playing bridge and pool.

1934

Reuben Leass of Old Brookville, NY limits his practice to consultations at Medico Legal Evaluations where he dispenses expertise on traumatic and orthopedic disorders and deals with plaintiffs and defendants in malpractice suits.

1938

Henry Rothkopf of Philadelphia has practiced medicine for 55 years and appries us that in June his son Brad M. Rothkopf '71 began practicing with him as a board certified cardiologist. Theodore E. Woodward of Baltimore was honored by the Navy Environmental Health Center at a commemorative lecture named in his honor; he spoke on "The Influence of Disease on American History" as part of the center's 34th Occupational Health and Preventive Medicine Workshop on March 2 in Norfolk, VA.

1940

Guillermo Pico-Santiago of Santurce, PR was honored by the state department of Puerto Rico when they named him "Hombre Ilustre de Puerto Rico" (Illustrious Gentleman of Puerto Rico) in September, 1992 and again last June when the Universidad Interamericana made him a Doctor in Science, Honbris Causa. Arthur E. Pollock of Hollidaysburg, PA is a retired general practioner who recently had the opportunity to catch up on what was happening in the lives of 14 men who served in his medical detachment of the 98th infantry, 100th division during World War II.

1943D

James MacKay Brown of Tuscaloosa, AL was recently honored with a certificate from the Alabama State Medical Society for his 50 years of practice.

1944

Charles D. Chaput of Groveland, MD terminated his practice in surgery eight years ago, and is currently conducting a trial of the new drug Cognex (tacrine hydrochloride) for the management of patients with mild

to moderate Alzheimer's dementia. Harry F. Rolfes of St. Petersburg, FL writes that he is looking forward to his 50th reunion next spring and expects a great turnout.

1945

David H. Barker of Beaverton, OR retired last January. Leah R. Camp of Big Pine, FL is retired, but actively promotes universal health care in the United States as a right for all citizens. Eugene H. Conner of Louisville, KY co-chaired the local arrangements committee for the 66th Annual Meeting of the American Association for the History of Medicine (AAHM) in Louisville last May.

1946

Samuel D. Gaby of Baltimore writes that his son, Alan '79, is president elect of the American Holistic Medical Association. Leonard T. Maholick of Cumming, GA is retired. John A. Mitchell of Sarasota, FL writes that he is "still living and having a ball!"

1947

Norman Levin of Baltimore continues practicing OB/GYN privately, but has stepped down as chief of that department at Maryland General Hospital.

1948

William G. Sanford of Winston Salem, NC enjoyed being with his medical school classmates, whom he hadn't seen since graduation, when he attended his 45th reunion in May. Fully retired since 1987, Dr. Sanford likes working in the yard, doing volunteer work and playing with his computer. Robert R. Stahl of Parma, OH retired from the Cleveland Clinic Foundation in June 1992.



Special Note

Jean Thompson, former executive director of the Medical Alumni Association from 1964-91, attended the Reunion dinner-dance in June with her husband, Paul. The Thompsons thoroughly enjoyed visiting their many old friends and send their best wishes to all who were not present. They still live in Baltimore and can be reached at 410-837-1276. Their address is 1105 Battery Avenue, Baltimore 21230.

1950

Dorothea M. Linley of Easton, CT and husband, Francis have started a new business manufacturing ceramic honing stones. The Linleys have four children and three grandchildren. **William W. Thompson** of San Clemente, CA is retired and volunteering his time to an adult day care health center as a consultant. **Enrique Vicens** of Ponce, PR chairs the department of surgery at the Ponce Medical School, Davis Hospital. He is vice-chairman of the Ponce Municipal Assembly and a veteran of the Korean Campaign who was decorated with the bronze star for valor and excellent service.

1951

Dorris M. Harris of Los Angeles, CA retired in January 1993 when he resigned his position as a medical director for the Los Angeles County Department of Health services. **Harry L. Knipp** of Baltimore retired last April. Hundreds of his patients turned out to honor him at a surprise retirement party.

1952

Charles G. Adkins of Longwood, FL practices part-time and enjoys hunting, fishing, skiing and traveling. He and his wife Deede have six

children. **Frank M. Kline** of Rolling Hills Estates, CA is a professor emeritus of the University of California and a consultant to the Los Angeles County Mental Health Department.

1953

Robert Berkow of Fort Washington, PA writes that November will mark his 20th year as editor of *The Merck Manual*, the world's most widely used medical text.

1954

Morton Ellin of Baltimore retired from practice in July. **Robert R. R. Roberts** of Frederick, MD writes that he is "still traveling."

1955

Murray M. Kappleman of Baltimore, MD is the book review editor of the *Journal of Behavioral and Developmental Pediatrics*. **John P. McGowan** of Peoria, IL has retired and relocated in Las Vegas, NV. **Leonard J. Morse** of Worcester, MA is serving a



one-year term as president of the Massachusetts Medical Society, a statewide organization of more than 15,000 physicians, residents and medical students. He continues to urge his fellow physicians to give each

patient a price list of services when they walk into the office. **William N. Sterling** of Bethesda, MD has relocated with his group to offices in the Champlain Building in Bethesda.

1956

Clark Lamont Osteen of Savannah, GA retired last January.

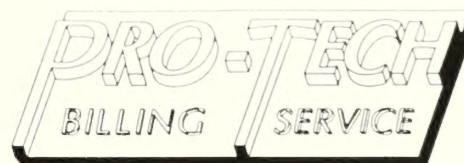
1957

Marvin S. Arons of Woodbridge, CT practices plastic surgery, specifically hand, head and neck, at the

Hospital of St. Raphael in New Haven, and writes that his wife, Gloria McLennan is director of personnel at Yale University. **Frederick W. Plugge IV** of Chevy Chase, MD is semi-retired and limits his professional activity to volunteer teaching at the Uniformed Services University of Health Sciences, E. Edward Hebert School of Medicine, where he is a professor of surgery.

1958

Richard J. Erickson of Knoxville, TN practices family medicine and is currently the



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president of TAFP. Gilbert B. Cushner of Silver Spring, MD advises us that his son Michael graduated from the University of Maryland School of Medicine in May.

1960

Clinton L. Rogers of Cumberland, MD retired in July and had a hip replacement. George I. Smith, Jr. of Frederick, MD continues serving on the Frederick County Community College Board of Trustees after being reappointed in July to a five-year term. Morton E. Smith of St. Louis, MO, professor of ophthalmol-



Ted Patterson with Darren Farrakhan, UMBC student and Meyerhoff scholar

ogy and pathology at the Washington University School of Medicine in St. Louis and an associate dean there was selected by the ophthalmology residents to receive the first "Teacher of the Year Award." Michael S. Tenner of Teaneck, NJ began serving as president of the American Institute of Ultrasound in Medicine

(AIUM) last March. James A. Yates of Lemoyne, PA is an elected municipal councilman there.

1961

Anthony R. Boccuti of Baltimore, MD has retired from the Army Medical Corps as a Colonel; he married Jacquelyn Julier Boccuti in 1992. Roger Lee Mehl of the U.S. Air Force has been promoted to a full Colonel. Robert J. Myerburg of Miami, FL, director of the division of cardiology at the University of Miami School of Medicine, serves as president of the Association of University Cardiologists, secretary/treasurer of the Association of Professors of Cardiology and a member of the program committee for the annual scientific sessions of the American Heart Association. Michael B. A. Oldstone of LaJolla, CA was the recipient of the Medical Alumni Association's 1993 Honor Award and Gold Key Award. He has also been appointed to the Scientific Advisory Group of Experts (SAGE) for the World Health Organization and is scientific councilor to the Allergy and Infectious Disease Institute of the National Institutes of Health.

1962

Stanley Klatsky of Owings Mills, MD has been named director of the new section of cosmetic surgery at the Johns Hopkins School of Medicine where he is an assistant professor of plastic surgery; he was recently listed in *The Best Doctors in America*. Theodore C. Patterson of Baltimore, MD, recipient of the Baltimore County Medical Association's 1993 Physicians Community Services Award, has been nominated by the Maryland Academy of Family Physicians for the 1994 American Academy of Family Physicians Family Doctor of the Year Award. Dr. Patterson recently received certification as a long-term care director from the American Association of Medical Directors. He also serves as a mentor in the University of Maryland Baltimore County (UMBC) Meyerhoff Scholars Program for UMBC students who excel in math and science.

1963

Frank J. Travisano of Mechanicsburg, PA is the chief of cardiovascular and thoracic surgery at the Harrisburg Hospital in Pennsylvania and serves as president of the Capital Area Cardiovascular Institute.

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1964

C. D. Lee, Jr. of Poway, CA is a lawyer who practices health care law part-time. Eric D. Schmitter of Santa Monica, CA writes that life on the west coast, minus heat and humidity, is enjoyable, but that he misses his medical school friends.

1965

Stanley Goldsmith of Danville, CA is chief of the department of OB/GYN at St. Rose Hospital in Hayward, CA. Bruce A. Brian of Denver, CO is president of the Colorado Traders Society 1993-94. Sigmund L. Sattenspiel of Colts Neck, NJ chairs the department of surgery at the Central State Medical Center in Freehold, NJ and directs the Sattenspiel Surgical Pavilion, an ambulatory surgery facility, that specializes in facial plastic surgery. Phillip P. Toskes of Gainesville, FL is the president of the Florida Gastroenterologic Society. He sits on the American Board of Internal Medicine (ABIM) and chairs the Digestive Disease Advisory Board.

1966

Michael A. Ellis of Ellicott City, MD serves as chief of orthopedic surgery at St. Agnes Hospital in Baltimore.

1967

Michael A. Kaliner of Bethesda, MD will retire from NIH as he begins the Institute for Asthma and Allergy, an organization seeking to assist physicians dealing with difficult asthma and allergy problems at the Washington Hospital Center in D.C.

1968

Wilfred B. Stauffer of Kalamazoo, MI will be working full-time for the Western Michigan University Student Health Services as he exits from 21 years of general pediatric practice.

1969

Donald M. Baldwin of Tulsa, OK was cited as a top student in health services management by Northwestern University, where he majored in finance and marketing and completed his MBA. Dr. Baldwin was elected to the national business school honor society, Beta Gamma Sigma, and was in the top 10% of his class. He will be practicing with the Tulsa Orthopedic Association in Tulsa. Arthur V. Milholland of Silver Spring, MD served on a mission to Duitama, Columbia in November 1992 under the auspices of Operation Smile. Robert Nadol of Barrington, RI writes that he is chief of mental health services in an HMO;

his wife, Pamela practices psychiatry privately; his son, Michael is assistant deputy mayor of Philadelphia and his 8-year-old daughter, Heather, dances with the Rhode Island Festival Ballet. Edward F. Quinn III of Milford, DE became chief of surgery at the Milford Memorial Hospital in January. Kathryn E. Skitarelic of Portsmouth, OH is the laboratory medical director at the Southern Ohio Medical Center and the presenter of a workshop in Chicago, last spring at a meeting of the American Society of Clinical Pathologists (ASCP), entitled "AIDS Education—The Role of the Laboratory Professional." David A. Wike of Prescott, AZ writes that his daughter, Laura, a summa cum laude graduate of Northern Arizona University, has been accepted by the University of Arizona's School of Medicine at Tucson into the class of '97.

1970

Charles N. Bookoff of San Francisco, CA apprises us that his practice was featured in an article appearing in the May '93 issue of OB/GYN Management entitled "Should Your Next Hire Be a Nurse-Midwife?" Dennis H. Hurwitz of Pittsburgh, PA recently completed a term as president of the Ohio Valley

Coming Events

Friday, October 2

Junior Class Bull & Oyster Roast
MSTF
Baltimore

Tuesday, November 23

Medical Alumni Association Board Meeting
Davidge Hall
5:30 p.m.

Monday, December 6

1993 Maurice C. Pincoffs Lecture
Richard P. Wenzel, M.D., M.Sc.
University of Iowa
Department of Medicine
Davidge Hall

Thursday, January 6

Sophomore International Night
MSTF

Tuesday, January 25

Medical Alumni Association Board Meeting
Davidge Hall

Society for Plastic and Reconstructive Surgery and the Robert H. Ivy Society.

1972

Conrad E. Nagle of Oxford, MI will serve as 1993-94 president of the American College of Nuclear Physicians.

1973

Daniel C. Hardesty of Riderwood, MD is a fellow of the American College of Physicians and Chairman of the department of family medicine at the Franklin Square Health Center in Baltimore.

1974

Arthur P. Liang of Atlanta, GA directs the residency program of the Centers for Disease Control and Prevention, the nation's largest preventive medicine residency program.

1975

Kenneth V. Iserson of Tucson, AZ writes that his book, *Getting Into a Residency: A Guide for Medical Students* is the third best selling medical education book in this country and that its third edition will be published in November. Brian S. Kahntroff of Brooklandville, MD practices

internal medicine in Owings Mills, MD and is the proud father of Stephanie, 11, and Jeffrey, 10.

1977

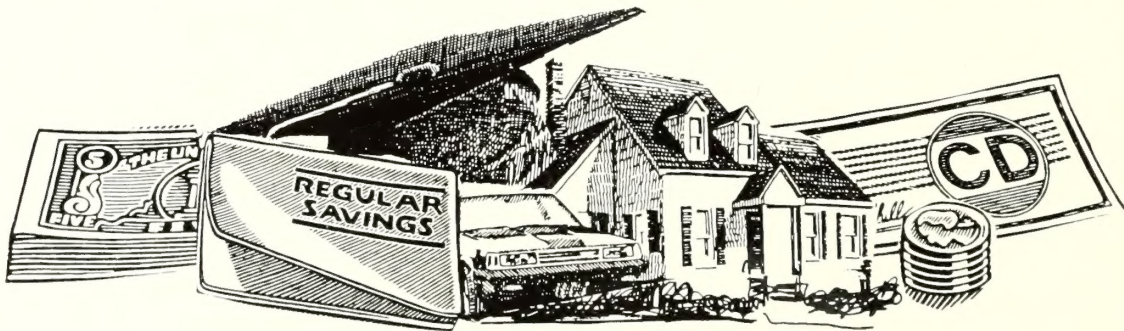
Dalia Hirsch of Bel Air, MD was recognized by *The Baltimore Sun*, on April 16, as founder of the Sight for Life Program, an approach to preventing unnecessary blindness in Harford and Cecil counties through the offering of free screening and lectures on vision impairment and free cataract surgery to those without health insurance. Edward B. Mishner of Baltimore and

his wife Ann have three children and the oldest, a daughter, will soon have her driver's license. (Ed. note: We sympathize!)

1978

Franklin M. Douglas of Conroe, TX has two children: 2-year-old Diandra and 5-year-old Marshall. Michael H. Sandler of Reisterstown, MD keeps busy with his 9-month-old son Evan Daniel, three new offices in Baltimore and Carroll Counties and two new associates. Ellen L. Taylor of Baltimore practices gynecology privately in Baltimore County

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and is the mother of four. **Philip Massey** of Centreville, VA describes his specialty these days as "stuffed shells" and wonders what good kids are if they won't mow the lawn? (Ed. note: Sounds like he's suffering from the July East Coast heat wave to us.)

1979

Donna G. Hurlock of Alexandria, VA serves on the board of advisors of the Physicians Committee for Responsible Medicine.

1980

Mehtap A. Aygun of Baltimore and her husband **Cengiz Aygun** announce the birth of their third child, a daughter they have named **Talia**, which means "sunrise" in Arabic. **Thomas P. Moran** of Coronado, CA writes that the weather in California is very dry. **Craig H. Paul** of Dallas, TX has been appointed to the Richardson Medical Center's board of directors. **James P. McKenna** of Coraopolis, PA and his wife **Francie** adopted daughter **Katie** last October and would appreciate assistance colleagues may be able to offer in finding a second child. **Michael J. Moritz** of Merion, PA and his wife **Cary** celebrated 10 years of marriage in August with their three children ages 5, 4, and 1. Dr. Moritz is the acting

director of the transplant program and an associate professor of surgery at the Jefferson Medical College of the Thomas Jefferson University in Philadelphia. **James P. Richardson** of Baltimore is an associate professor in the department of family medicine at the University of Maryland School of Medicine since his promotion in July. His wife **Melissa** has been named director of planning at the Johns Hopkins Hospital.

1981

Mark C. Lakshmanan of Shaker Heights, OH and his wife **Shelley** have two daughters—**Damaris** who will soon be a college freshman and **Anastasia Sitarama** who was born March 17, 1993.

1982

Jonathan S. Elias of Potomac, MD and his wife **Irene** have three daughters and are expecting a fourth child in September. **Ronald D. Jacobs** of Potomac, MD and his wife **Ann** celebrated the birth of twin daughters **Allison** and **Erica** on February 18, 1993. **Richard A. Lane** of Lynchburg, VA spent May '93 in Roatan and Rio Chiguito, Honduras where he led a group of 18 health educators whose objectives were to help establish clinics and teach basic hygienic and nutritional

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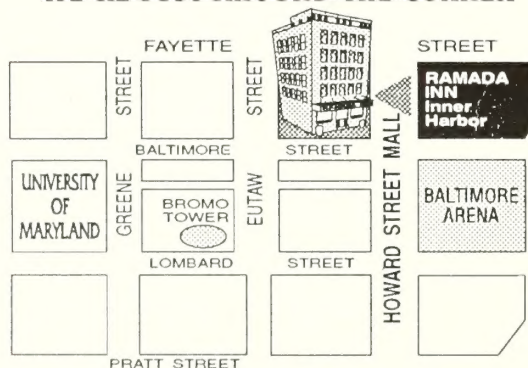
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Dinner: Fri. & Sat. 5:30-11:00, Lite fare till 12:00 - Sun. (prix fixe), 5:30-9:30
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concepts. Robert E. Perry of Cape Girardeau, MO works full time in the emergency room of the Southeast Missouri Hospital after retiring from a private practice in internal medicine. Marc H. Siegelbaum of Hunt Valley, MD has been appointed chief of the division of urology at St. Joseph Hospital in Towson, MD. Joseph M.



Wiley of Chapel Hill, NC has been named director of the pediatric bone marrow trans-

plantation program at the University of North Carolina and associate professor of its medical school.

1983

Richard L. Gough of Walkersville, MD recently became the owner of a farm in Frederick County; he has been seen and heard on public television recently expressing his views on current health care issues. Garry L. Miller of Landisville, PA writes that he and his family are thriving as they build their dream house, and that his four-man practice is closed to new patients.

Nancy Prosser of Joppatowne, MD opened a general practice out of her home last year. Eric W. Scott of Evans, GA recently became part of the teaching faculty at the Medical College of Georgia.

1984

Eve Bruce of Baltimore practices plastic surgery after completion of a residency in Houston. She and her husband McDonnell are the parents of four children whose ages range from 1 to 22 years.

Lindsay Golden of Olney, MD practices in the Montgomery Country of Maryland where he and his wife Diane reside with their two sons, ages 5 years and 8 months. Gregory S.

Pokrywka of Baltimore and his wife Helene moved to a new home in Worthington last summer with their 3-year-old daughter Hillary Meredith and their son Joshua Manny who was born last May. Paul R. Ringelman of Towson, MD completed a Johns Hopkins—University of Maryland residency in plastic and reconstructive surgery and will practice with Dr. Bernard McGibbon. John P. Serlemitos of Crownsville, MD and his wife Deborah write to announce the birth of their third child, Peter John born February 1993.

1985

H. Von Marensdorff of Houston, TX accepted a position with the University of Texas Medical Branch in Galveston as assistant professor of internal medicine in the general medicine division ear-

lier this year and directs the anticoagulation clinic.

1986

Marilyn F. Althoff of Mendhan, NJ and her husband Samuel Redick had their first child, Brian Samuel, in May. **Ronald Lawrence Bauer** of Williamsville, NY and his wife Andrea announce that their son Andrew Lawrence was born in April. **Catherine Anne Daum** of Wilmington, NC served two years as chairman of the department of medicine at the Cape Fear Memorial Hospital, where she will be chief of staff for the next two years. Dr. Daum is a practicing general internist at Wilmington Health Associates, a large multi-specialty group. **Scott W. Fosko** of University City, MO has joined the faculty of Saint Louis University and will be their dermatologic surgeon. He and his wife Patricia have

three young children. **Stephen W. George** of Marriottsville, MD and his wife Nancy left Maryland in 1986, but have returned with their three young children; Dr. George will be practicing privately in adult and pediatric rheumatology. **Lee A. Kleiman** of Baltimore writes that after completion of facial plastic surgery fellowships in Toronto, Ontario and Bern, Switzerland he opened a practice in Baltimore and that he and his wife Laura Ametang '85 are the parents of a daughter Hanah Joelle Tang Kleiman. **Boris W. Kuvshinoff II** of New York City is a fellow in surgical oncology at Memorial Sloan-Kettering Cancer Center. His wife Barbara received her Ph.D. in communications last June and they are expecting a second child in September 1993. **Denise Murray Pelmoter** of Chevy Chase, MD and her associate opened an in vitro fertilization laboratory at the Alexander, VA Hospital earlier this year. **Lisa A. Scheinin** of Redondo Beach, CA completed her fellowship in forensic pathology in June 1992 and became a permanent deputy medical examiner at the Los Angeles County Coroner's Office in May 1993.

1987

James P. Nataro of Catonsville, MD, assistant

professor of pediatrics at the University of Maryland School of Medicine and specialist in tropical pediatrics, volunteered his time and expertise to Hurricane Andrew victims through the 82nd Air Borne in Dade County, FL during the aftermath of the storm.

Thomas B. Mulford of Coconut Grove, FL and his wife Rosemary announce that their son Douglas Broderick was born in February 1993.

J. L. Murphy of Hagerstown, MD writes that her husband Samuel Woo is a fourth-year student at the School of Medicine.

1988

Hollis Behrens Bell writes that upon completion of her residency, she has accepted the positions of attending physician at the Rehabilitation Institute of Chicago in the spinal cord injury program and clinical instructor in the department of PM&R at Northwestern University Medical School. She and her husband Conrad have two sons, 5-year-old Conrad V and Benjamin born January 1993.

Rebecca A. Goedeke of Baltimore writes that her son Jonathan was born April 24, 1992. **Gregg L. Heacock** of Annapolis, MD completed his residency in otolaryngology at the University of Maryland Medical System and is starting a private practice in Annapolis

with the Annapolis Ear, Nose, Throat and Allergy Associates. **Donald O. Kreger** of Wynnewood, PA is in his second year of an infertility and reproductive endocrinology fellowship at the University of Pennsylvania. He and his wife Jill have a two-year-old daughter, Alexandria, and are expecting their second child later this year.

1989

Caryn M. Brenner-Williams of Harrisburg, PA and her husband Ron are expecting their first child later this year. She is a faculty member in the department of family and community medicine at the Polyclinic Medical Center at Harrisburg and associate clinical professor at the Penn State and Temple Schools of Medicine. **Patricia M. Sullivan** married Eugene Sullivan in April 1992. They are residing in Denver, CO where Gene is a pulmonary/critical care fellow. Patty will work in psychiatry at Fitzsimmons Army Medical Center. As of this writing, (July '93), they are expecting their first child this month. **Ronald J. Williams** of Harrisburg, PA is also a faculty member at the Polyclinic Medical Center in Harrisburg; he is in the department of pediatrics. **Susan J. Henley** recently returned to Baltimore with

Errata

A recent classnote erroneously stated that Leslie Forgosh '86 was married in September of 1992. A Class of 1980 note in the Winter '92 issue of *The Bulletin* referred to David Henry Franks as Dr. David B. Franks' first child when he is actually Dr. Franks' second child. We regret the errors.

her husband, Paul S. Todd upon completion of her family practice residency in York, PA and is now working for a non-profit group that provides care in community health centers; she is also the supervising physician for the Baltimore Department of Social Services Foster Care Health Clinic. **Ann L. Mattson** of Denver, CO wrote last July that she had just returned from six weeks as a clinical volunteer in Amazon, Brazil, that her OB/GYN residency was completed in June and that she will practice in Comphealth/KRON locum tenens. **Robert T. Maupin** of Takoma Park, MD completed a residency in OB/GYN at Louisiana State University Medical Center in June and began a fellowship in maternal-fetal medicine at the University of Maryland's department of obstetrics in July. **David P. Smack** of Burtonsville, MD wrote last summer that he and Eileen Ann Musner would be married in October. **William E. Venanzi, Jr.** of San Antonio, TX is working toward the June 1994 completion date of his fellowship in rheumatology and writes that his first child, Travis Robert Venanzi was born March 15, 1993. **Gregg Wolff** of Baltimore writes of his acceptance of a one-year post-graduate sports medicine fellowship at the University of Oklahoma.

1990

Noelle R. Scaldara Bissell of Ellicott City, MD and her husband Charles D. Bissell, M.D. are in the military stationed in Atsugi, Japan. They were married by proxy in 1992 with a ceremony in Baltimore last July. **Kevin M. Fleishman** of Virginia Beach, VA will marry Lisa Jacobs on September 5, 1993. **Margaret A. Davis Flowers** of Baltimore just completed a year of residency in California while her husband Brian was a fellow in facial plastic surgery at Stanford University. **Carl E. Gessner** of Durham, NC became a gastrointestinal fellow at Duke University Medical Center in July. **Martin I. Passen** of Baltimore has just finished his internal medicine residency at the University of Maryland Medical Center and will be Mercy Hospital's chief resident in medicine this year. **Michael R. Ross** writes that the joy of his life, son Jonathan, was born July 8, 1991. **Dwayne T. Shuhart** of Danville, PA will be joining the Smithsburg Family Medical Center Practice in Smithsburg, MD in July 1994. **Dennis J. Van Zant** of Aurora, CO and his wife Melinda became parents of son Tyler Anderson who was born on December 25, 1992.

1991

Lisa Marie Beaudet of College Park, MD is enjoying her residency in pathology and anticipates a fellowship in cytology with an emphasis on fine-needle aspiration. **Brenda Jill Clark** of Houston, TX began the last year of an internal medicine residency in July and married Thomas Sorbera, a third-year medical student at the University of Texas, on August 21 in Ste. Genevieve, MO. **Bertan Ozgun** of Durham, NC completed two years of radiology at the University of North Carolina and is investigating fellowships.

1992

Joseph Manley of Albuquerque, NM wrote last summer that he was on hiatus after completion of his first year of an anesthesiology residency at the University of New Mexico and before the resumption of his training at the University of Maryland in July. **Dwight Eichelberger** of Lancaster, PA and his wife Brenda named their son Arthur Ford, born January 1993, after his grandfather Arthur Ford Jones, Jr. '59.

Fall 1993

Current Issues Forum

The American Dilemma
Health Care Policy

■

October 14

"Time on Fire"

A Performance by Evan Handler

■

October 20

Kristine Gebbie

National AIDS Policy Coordinator

■

October 28

Life Science Achievement Award

■

November 16

Health Care Reform in Maryland: Understanding the New Law

Donald E. Wilson, MD, Moderator

James E. Jordan, MD, Columbia Medical Plan

Morton I. Rapoport, MD, UMMS Nelson Sabatini, Maryland

Health and Mental Hygiene Sanford Teplitzky, National Health Lawyers Association

■

November 29

Long-Term Care: Can It Be High Calibre and Affordable?

Madeline Feinberg, PharmD UM School of Pharmacy, Moderator

Senator Barbara Mikulski, Principal Speaker

Roger Lipitz, Meridian Healthcare

Beverly Baldwin, PhD, UM, School of Nursing

■

December 7

The American Way of Health Janice Castro, Time magazine

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Faculty and Staff News

Mordecai P. Blaustein, M.D., professor and chair of the department of physiology, has been elected coordinating editor of *Reviews of Physiology, Biochemistry and Pharmacology*, published by Springer-Verlag, Heidelberg, Germany.

Joann Chambers, M.S., is retiring from the School of Medicine after 14 years as administrator in the department of physiology. Her total university tenure spanned 34 years.

Louis DeTolla, Jr., V.M.D., Ph.D., chair of the department of comparative medicine and director of veterinary resources has been named to serve on the National Aquarium's board of governors. He also chairs the Animal Policy Committee which oversees all animal use at the Aquarium.

Charlotte Ferencz, M.D., research professor of epidemiology and preventive medicine, is completing an analysis and reporting on an epidemiological study of congenital heart disease in the Maryland-Washington region.

Kevin Scott Ferentz, M.D., has been named the residency director for the department of family medicine. Along with this responsibility, Dr. Ferentz is also assuming the position of medical director at University Family Practice.

Deborah Finkelsen, M.A.S., has been named assistant dean of information systems for the School of Medicine.

Andrew P. Goldberg, M.D., professor of medicine and head of the department of gerontology at the Baltimore Veterans Administration Medical Center tells us that the university's geriatrics program now has major research programs in cardiovascular disease prevention in the elderly with applied clinical investigation in exercise and cardiovascular physiology, metabolism (lipids, diabetes, obesity) and nutrition.

Denise M. Harmening, Ph.D., professor and chair of the department of medical and research technology, delivered the keynote address to the Canadian Society for Medical Laboratory Scientists at its national congress.

Stephen R. Max, Ph.D., former professor of neurology, acting vice president for graduate studies and research and associate vice president for research at the University of Maryland Graduate School, Baltimore, has been named dean of the graduate school and vice president for research at Hahnemann University.

Tara O'Toole, M.D., M.P.H., instructor in the departments of internal and preventive medicine, has been nominated by President Clinton for the position of assistant secretary of energy for environment, safety and health at the U.S. Department of Energy. Upon Senate confirmation, she will be the principal advisor to the Secretary of Energy regarding environment, safety and health policies and oversight at Department of Energy sites and facilities.

Bonita Stanton, M.D., professor of pediatrics and director of the Center for Minority Health Research, will serve as a member of the AIDS and Related Research-6 Study Section, Division of Research Grants, Department of Health and Human Services, for a four-year term. Members are selected for the quality of research accomplishments in their scientific discipline.

Study sections review grant applications, make recommendations to the National Institutes of Health (NIH) and survey the status of research in their fields of science.

Paul D. Stolley, M.D., professor and chair of the department of epidemiology and preventive medicine, has been appointed to the U.S. Food and Drug Administration (FDA) Science Advisory Committee. The newly formed group will work to improve the FDA's science base and capability.

Dean Donald E. Wilson, M.D., was elected to the Institute of Medicine of the National Academy of Sciences. New members are elected on the basis of their professional achievement and of their demonstrated interest, concern and involvement with problems and critical issues which affect the health of the public. Dr. Wilson was also appointed by Governor William Donald Schaefer to serve on Maryland's new 11-member Emergency Medical Services Board, which will oversee the state's rescue network of MedEvac helicopters, ambulances and paramedics.

In Memoriam

Morris H. Saffron '28

New York, NY

May 5, 1993

Dr. Saffron was a dermatologist and an authority on colonial American medicine who served as archivist-historian to the New Jersey Medical Society. Dr. Saffron practiced in New York and his native New Jersey. He taught at Seton Hall College of Medicine, Kean College, Rutgers Medical School and the New Jersey College of Medicine. His undergraduate alma mater was Columbia University, and Dr. Saffron returned there in November 1967 to present that school with a fragile manuscript, bought at auction, of a lecture delivered 200 years earlier on the opening day of King's College Medical School. After the American Revolution, King's College became Columbia University and its medical school grew into Columbia's College of Physicians and Surgeons.

Dr. Saffron earned his M.A. in history and a Ph.D. at Columbia when he was 63 years old. He wrote several books including "Surgeon to Washington" (Columbia University Press, 1977). In 1989 Dr. Saffron presented his medical alma mater with a bust of Aesculapius, legendary Greek physician and son of Apollo and Coronis, Roman, 1st -2nd century A.D. The

bust remains on display in the Bressler Research Building Lobby.

Dr. Saffron is survived by his sister Julia Ballon and his niece Lois Ballon.

Mark Thumin '33

Middletown, CT

May 10, 1993

Dr. Thumin interned at the Chester Hospital in Pennsylvania and was a resident at the Flower Fifth Avenue Hospital in New York City. He was a board certified otolaryngologist and ophthalmologist and the senior attending physician in those departments at the Middlesex Memorial Hospital in Connecticut. Dr. Thumin practiced ENT and wrote several articles on the subject. He was a member of the Connecticut State Medical Society and the New England Ophthalmological Society. He is survived by his wife.

Irving Burka '36

Rockville, MD

April 22, 1993

Dr. Burka trained in internal medicine at Sinai Hospital in Baltimore. During his career, he was affiliated with the George Washington University Hospital Center. Dr. Burka was the recipient of numerous awards and served as an officer of many organizations, including president and chairman of the board of the Medical

Society of the District of Columbia, president of the Professional Council of D.C., president of the Jacoby Medical Society and recipient of its "Man of the Year Award," member of the board of trustees of Blue Shield, and vice president of the Medical Alumni Association. Among the survivors is his wife.

Jack A. Kapland '37

New York, NY

May 26, 1993

Dr. Kapland interned at Jersey City Medical Center and the U.S. Army Sea View Hospital. He practiced orthopedic surgery in New York City for more than 45 years. At his death, Dr. Kapland was attending physician in orthopedics at St Luke's-Roosevelt Hospital Center. For many years, he was orthopedic surgeon at the former Polyclinic-French Hospital and professor of orthopedics at New Jersey College of Medicine. In 1990, Dr. Kapland established the Jack Allen Kapland lectureship in orthopedic surgery at the University of Maryland School of Medicine. A member of the Medical Alumni Association's John Beale Davidge Alliance and University of Maryland's President's Club, Dr. Kapland also served the Association as a regional vice-president. He was a fellow of the American Academy of Orthopedic Surgeons and the New York

Academy of Medicine. Dr. Kapland enjoyed collecting art. Survivors include his wife Shirley, daughter Bonnie, son Michael and two grandsons.

Gilbert E. Rudman '37

Baltimore, MD

March 7, 1993

After interning at St. Joseph's Hospital in Baltimore, Dr. Rudman served with the U. S. Army Medical Corps in New Guinea and Australia during World War II. A native of Baltimore, Dr. Rudman was retired from a general practice in that city that had spanned 44 years. Among the survivors are his wife and four daughters.

Melvin E. Polek '39

Cockeysville, MD

May 20, 1993

A native Baltimorean, Dr. Polek served his internship and residency at Mercy Medical Center in Baltimore before entering the U.S. Army Medical Corps in Europe during World War II. There he performed emergency appendectomies with makeshift equipment aboard a troop ship. He maintained a general practice on Belair Road in Baltimore for 35 years. Early in his career, he was a staff doctor at the Maryland House of Correction. After his retirement in 1983, he assisted his son, who is a landscaper. Surviving are his two sons, two daughters and seven grandchildren.

Thomas E. Davies '42

Wellsboro, PA

February 20, 1993

After completing a five-year residency at the University of Pennsylvania in Philadelphia, Dr. Davies practiced surgery in Wellsboro until he retired in 1985. A U. S. Army flight surgeon during World War II, Dr. Davies was with the 281st combat engineers. Later, during the Korean War, he was chief of surgery and professional services at the Veterans Hospital in Lebanon, PA. He left the service with the rank of Lieutenant Colonel. As an avid musician who loved jazz, he played tenor sax and the clarinet and was an original member of the jazz groups "Mud Cats" and "Spare Parts." Surviving are his wife, Dorothy, his son, daughter-in-law and grandson.

Jose G. de Peralta '43M

Wilmington, DE

July 19, 1985

Dr. de Peralta interned at the West Baltimore General and Presbyterian Hospital in Baltimore before returning to his native Cuba to practice ophthalmology with his father for 20 years. He also interned under Dr. Castro Viejo in New York. In 1963, he was appointed senior staff member in the ophthalmology department of the Wilmington Medical Center in Delaware, where he settled and began practicing ophthalmology pri-

vately until 1978, when he moved his practice to Coral Gables, FL. From 1976 until 1978, he was assistant surgeon at the Wills Eye Hospital and Jefferson School of Medicine in Philadelphia. Dr. de Peralta served on Havana's National Board of Medicine, and was a fellow of the American Board of Ophthalmology, and a member of the Puerto Rican and Florida State Boards of Medical Examiners. He co-authored several articles in his field.

Thomas C. Webster '43M

Waynesboro, VA

April 7, 1993

Dr. Webster was a World War II veteran who served with the 88th Field Hospital on Okinawa as chief of anesthesia and later as chief of prisoner of war hospitals. Before beginning a private practice in obstetrics and gynecology and serving on the staffs of Maryland General, Greater Baltimore, St. Joseph and Carroll County General Hospitals, Dr. Webster was a resident at Maryland General in Baltimore. Before retiring in 1984, Dr. Webster was the medical director at the Martin Marietta Aerospace Division in Baltimore. Dr. Webster was a member of the OB-GYN Society of Maryland, the AMA and Med Chi. He was a fellow of the American College of OB-GYN and the American Society of Abdominal Surgeons.

Dan Franklin Keeney '43D

Great Falls, VA

March 6, 1993

After completing his medical training at St. Elizabeth's Hospital in Washington, D.C., Dr. Keeney practiced psychiatry and psychoanalysis privately in the Washington area most of his working life. He also worked for the U.S. Public Health Service and was a member of the DC Mental Health Commission. Later, he became a consultant who served as a psychiatrist on the Social Security Administration's Final Appeals Board for psychiatric disability cases and a forensic psychiatrist for the D.C. Courts. Dr. Keeney was a life fellow of the American Psychiatric Association and a life member of the Washington Psychiatric Society. He was an avid bird watcher and a volunteer naturalist for the National Park Service who frequently led nature walks. Among the survivors are his wife Lois, three sons and two grandchildren.

John H. Stone '51

LaPlata, MD

March 22, 1993

Michael J. Reilly '65

McGaheysville, VA

March 4, 1993

Dr. Reilly completed his internship in Pittsfield, MA and his residency in Baltimore, specializing in obstetrics and gynecology. After serving as a

staff sergeant with the Air Force during the Korean War, he moved to Harrisonburg, VA where he practiced medicine until October 1992 when he retired. Dr. Reilly was a member of the Rockingham County Medical Society. His wife of 33 years, the former Colleen McDermott, survives, as does his son, two daughters and a brother.

Robert M. Britton '68

Miami, FL

April 29, 1993

Lorin J. Mullins, FAC

Chestertown, MD

April 14, 1993

Dr. Mullins retired in 1988 and became professor emeritus of the biophysics department where he had served as chairman for 30 years. Dr. Mullins was recognized internationally for his research on ions, radioisotopes and anesthetics. He wrote and served on the editorial boards of many scientific journals and often lectured on biophysics. He is survived by his wife, his daughter, his son and five grandchildren.

UM sees two-fold rise
in applications

Finding the model applicant



The University of Maryland School of Medicine has become one of the most desirable of public medical schools to attend, and one of the most difficult to gain admission to in the country. In just five years, applications have more than doubled, soaring from 1,946 in 1987 to 4,000 in 1993. This occurred despite national trends which, until 1991, had shown a dramatic decline in medical school applications.

When 4,000 hopefuls are vying for one of just 145 places, how do you make the choice? According to Milford M. Foxwell, Jr., M.D., associate dean of admissions, it's not quite an "exact science."

"It's not just an applicant's MCAT scores or GPA," says Dr. Foxwell. "We also look at extracurricular activities,

any employment history, college course load and major, and the person's background. We're also starting to look at whether a candidate has a community or service orientation. Finally, we look for people who are articulate, emotionally stable and can speak and write well."

Diversity in a class has also taken on new importance in order to meet the needs of an increasingly diverse population. The 1992 freshman class, for example, boasted a 14 percent minority enrollment, three percent above the national average. And for the first time, the majority of the class—54 percent—was female.

The review process begins with an initial screening, after which about 600 applicants are invited to come for interviews. Each is

interviewed by two faculty members (from a pool of about 100) who join an 18-member Admissions Committee to vote on each candidate. A majority-plus-

When 4,000 hopefuls are vying for one of just 145 places, how do you make the choice?

one vote total is required for acceptance. (M.D./Ph.D. candidates are considered by a special five-member committee.)

The playing field is kept as level as possible for everyone who applies, and these days, that could mean older students with no previous connection to the school, or the relative of an alumnus. "We do have an interest in

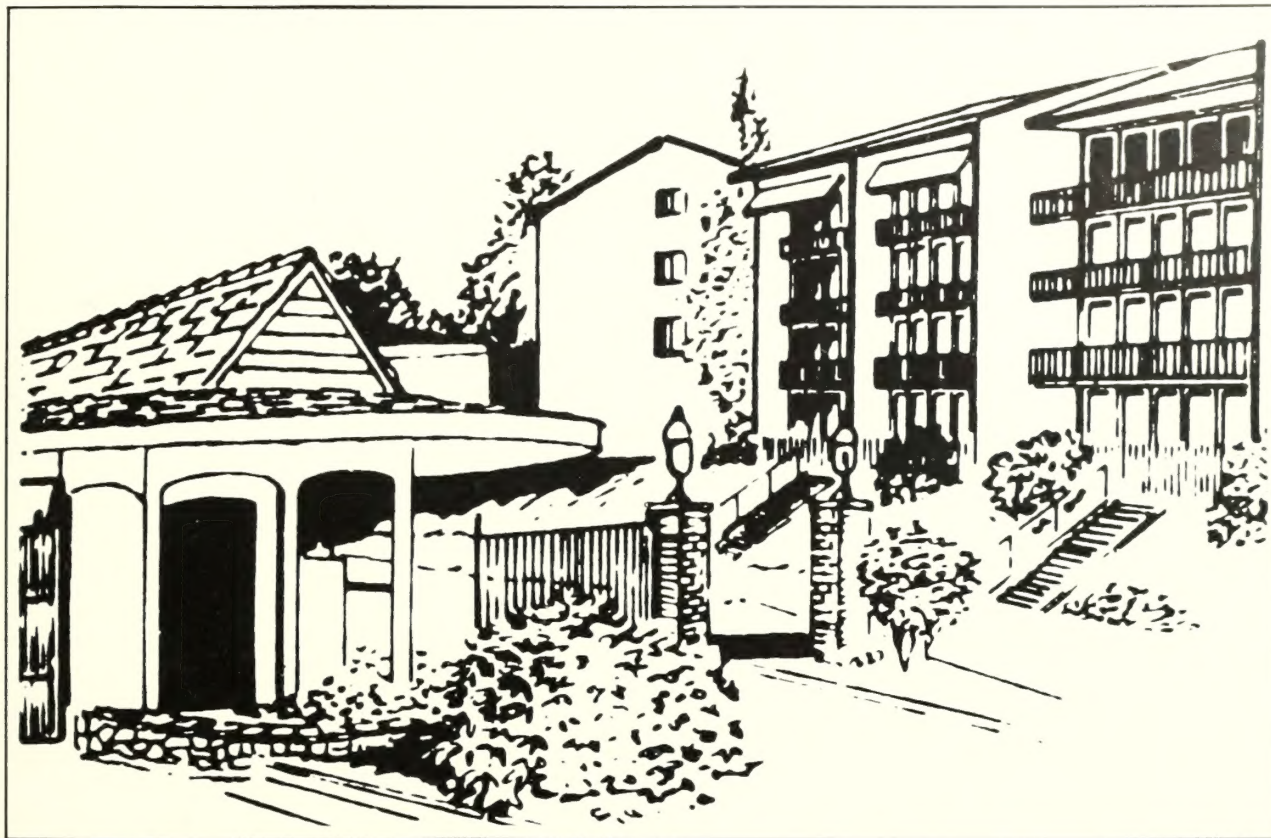
legacies, and each one receives an interview," says Dr. Foxwell. "As in all of our applicants, we look for good judgment, maturity, motivation, sincerity and a sense of humor. The quality of legacy applicants we see is such that 60 percent of those completing the application process are offered a spot; about 30 percent of that group accept."

After acceptance, applicants hear from faculty members or students with whom they share a common bond: someone from the same hometown, perhaps, or the same undergraduate college. It is a personal touch that could make up an applicant's mind.

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Vicki Strittmater

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S h e e r G e n i u s

The John D. and Catherine T. MacArthur Foundation honored 24 outstanding individuals with fellowships totalling \$9.2 million. One recipient was the School of Medicine's toxic substances expert, Dr. Ellen K. Silbergeld. (See page 14)

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Dr. Charlotte Ferencz

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One phone call to the University Rehabilitation Network puts patients in touch with the state's largest rehabilitation service. Serving 35 percent of all patients requiring rehabilitation, the network offers in-patient, out-patient and home-based care.



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To the 1993 donors to the University of Maryland Medical Center, it is our turn to honor you for your loyalty and dedication. We thank you for your steadfast support of our school and hospital and the progress you have made possible.



Cover illustration by
Randy Lyhus

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Message From the Dean



Donald E. Wilson, M.D., Dean

A recent American Medical Association (AMA) news release headline read: "Med School Applications Continue to Rise; Women and Minorities Make Small Gains."

According to the AMA, it seems that even though many practicing physicians are dissatisfied with their choice of career and fearful of health care reform, those men and women seeking admission to medical school have not been discouraged.

In fact, the number of applicants has increased dramatically in the last five years: from nearly 27,000 in 1989 to 43,000 in 1993. The latter exceeds the previous record of 42,600 in 1974.

I would like to share with you some more statistics about today's University of Maryland School of Medicine student population. As you may have read in the Fall issue of The Bulletin, we had 4,000 applicants for the Class of 1997, a record for us, too. (As I write this in early October, we have already received 2,900 applications for Fall 1994. This is 700 ahead of where we were at this same time last year.) A first-year group of 168 students brings

our medical student enrollment to 605. We also have 220 graduate degree students, 39 special graduate students, 134 physical therapy students and 105 students in the department of medical and research technology, for a total student body of 1103.

What our first-year class looks like also reflects national trends. The number of women entering medical school has increased more than 10 percent in 10 years. This is the second consecutive year that the freshman class has had a female majority—54 percent each year. This places Maryland at the high end of the trend.

The figures are not so encouraging for underrepresented minority students. Nationally, the number of African-American matriculants has increased by but a few hundred in five years. Here at Maryland, a concerted effort to recruit more minority students has begun to show successful results: 18% of our freshman class are underrepresented minorities, a 30 percent increase from last year. Of these students, 23 are African-American, 7 are Hispanic and one is Native American.

Our recruitment efforts recently received the proverbial shot in the arm with the awarding of three access

grants totalling well over \$2 million. These include a Health Career Opportunities Program (HCOP) Grant of \$643,917, designed to assist

Our first-year class reflects national trends. The number of women entering medical school has increased more than 10 percent in 10 years.

individuals from disadvantaged backgrounds in entering and graduating from health professions schools; a Center of Excellence Grant of \$1,504,200, which will recruit and retain undergraduate minority students and minority faculty, promote research of minority health issues and enhance the curriculum with respect to minority health issues; and a Fogarty International Minority Training Program Grant of \$1,064,200, which seeks to encourage minority undergraduate and graduate students to elect a career in

the health professions or biomedical research and provide them with a research experience (in this case, in Rotterdam) and a realistic understanding of the biomedical research environment.

We have also recruited seven new underrepresented faculty members. In addition, we continue our commitment to Project 3,000 by 2000, the American Association of Medical Colleges (AAMC) initiative to have 3,000 underrepresented minority medical school matriculants by the year 2000.

It will be interesting to see how many of today's students will choose to pursue a primary care specialty. As you know, we were taking steps to change our curriculum to place greater emphasis on primary care long before the Clinton administration even won the White House. This past year, 19 percent of the nation's medical school graduates entered training in a primary care specialty, an increase of 32 percent from 1992.

Though it has yet to be determined exactly how many primary care physicians our country will need

(and how they will be distributed) Maryland has been taking positive steps to make a career in primary care more attractive. Help has been provided in the form of House Bill 1407, passed during the 1993 legislative session, which will provide debt repayment assistance to

Though it has yet to be determined exactly how many primary care physicians our country will need (and how they will be distributed) Maryland has been taking positive steps to make a career in primary care more attractive.

physicians already engaged in primary care. It will also aid medical residents specializing in primary care who agree to practice for at least two years as primary care physicians in a geographic area of the state designated by the Department of Health and

Mental Hygiene as medically underserved.

The bill also provides grants to institutions graduating health professionals who have been determined to be in short supply, for example, physicians engaging in family practice or pediatrics, physical therapists, medical technologists and laboratory technicians. Obviously our School of Medicine will benefit from this provision of the bill as well. The bill will become effective in July 1994.

We are fortunate here in Maryland to have been able to work collectively with legislators to craft such a bill and to address the health care needs of Maryland. Many state legislatures are attempting to change admission policies and curriculum to try to force a shift toward primary care, something that all medical schools would certainly rather do in their own way, at a workable pace. This could be especially problematic for public schools, such as our own.

While positive changes are in the wind, there is still a long way to go. There is much to do to eliminate gen-

der and ethnic bias in our profession. Curricular reform is costly, in both monetary and manpower terms. The great health care debate has only just begun and, without a crystal ball, any attempt at this point to predict what effects reform will have on our school, our students and our profession would purely be conjecture on my part.

I remain encouraged, however, by many things: the enthusiasm of our students, the dedication of our faculty, the support of this medical school's alumni. I hope I may continue to count on all three.



Donald E. Wilson, M.D.
Dean

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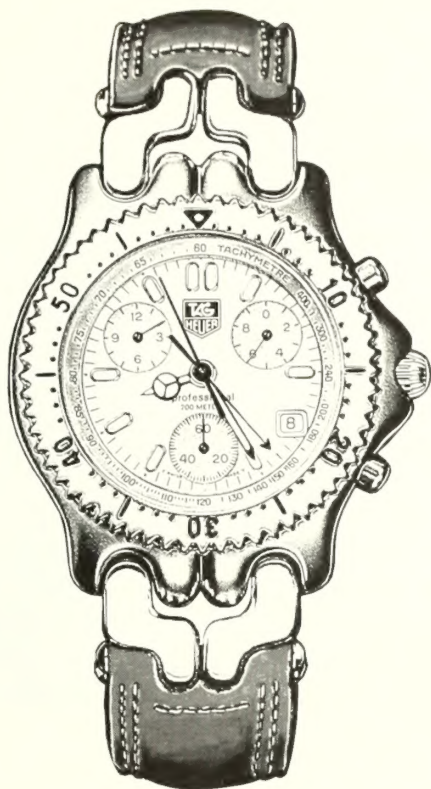
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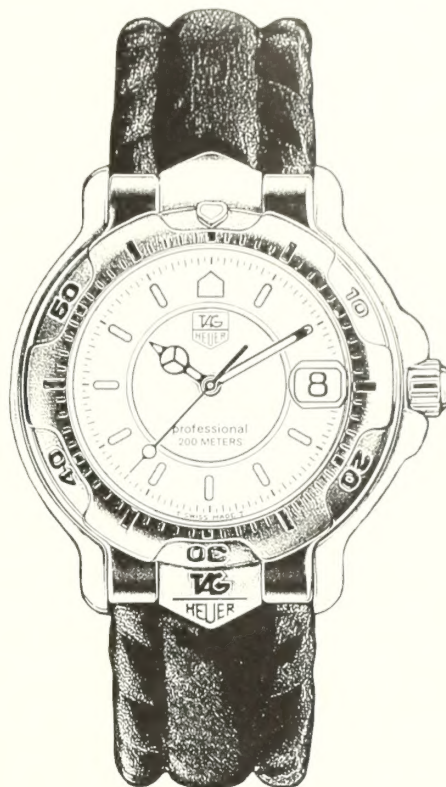


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News

A Tribute to New Views on Research

Dr. Charlotte Ferencz is honored with Life Sciences Achievement Award

"Overwhelmed" was the overriding emotion for Charlotte Ferencz, M.D. upon hearing she would receive the First Biannual UniversityCenter Life Sciences Achievement Award.

She needn't have been. The professional goal of this warm, deeply committed woman was to get people to look at new ways to do research. And so she has.

A native of Hungary, Dr. Ferencz's family emigrated to Canada, where she attended medical school at McGill University. Upon graduating, she was preparing to do a fellowship in physiology when her mentor was transferred to Houston. Instead, she found herself in Baltimore, at Johns Hopkins, studying with the late Dr. Helen Brooke Taussig, a world leader in the new field of pediatric cardiology and a pioneer of the surgery to treat "blue babies."

After 25 years as a pediatric cardiologist, Dr. Ferencz was looking for new ways to do research, so she studied epidemiology and received

her M.P.H. at Hopkins. She was then recruited to Maryland, where her life's work began.

Her interest in congenital heart disease in children began in earnest with a study in 1978 that looked at maternal hormones as a possible cause. "We found nothing was known, so it was difficult to determine a single factor," she says.

She received funding in 1980 from the National Heart, Lung and Blood Institute of NIH that allowed her to continue pur-

The findings of the Baltimore-Washington Infant Study are still being pored over today.

suage other possible links. "Little did I know that my life was now decided," she laughs. That was the beginning of an exhaustive study, known as the Baltimore-Washington Infant Study, that involved a stellar co-investigative research team, 53 hospitals throughout Maryland, Virginia and the District of Columbia, 700 physicians, and 4,390 case

parents. The study lasted eight years, with one follow-up year. "So you see, it wasn't just me," Dr. Ferencz says. "The community, the cooperation were fantastic. Centers can be competitive; this study called for mutual trust and respect. Collaboration really made this possible."

One strong finding was that environmental agents, such as lead, solvents or pesticides, or use of alcohol, recreational or anti-convulsant drugs—maternal or paternal—are causally related. Study results suggested that the passing along of chromosomes damaged by such agents could have gone on for centuries. "What you do when you're already pregnant might not matter," says Dr. Ferencz. "We also found that more than one-quarter of the children born with congenital heart disease had another birth defect. That's why, in terms of our modern knowledge, all couples should get genetic counseling."

While Dr. Ferencz insists on one hand that she is retired, she also says she can't retire, saying she would like to complete "the big diagnostic things." The findings of the Baltimore-Washington Infant Study are still being pored over today. Several genetics students have done their theses on the study, and an alliance with the Centers



Charlotte Ferencz, M.D.

for Disease Control (CDC) has recently been forged to look at how nutrition plays a role in congenital heart disease.

Dr. Ferencz chuckles that this will be "either a hornet's nest or a treasure trove." Whichever it turns out to be, it may not have happened at all had it not been for Dr. Ferencz's desire to explore new directions.

In recognition of her contributions as one of UniversityCenter's premier life scientists, Dr. Ferencz received the Life Sciences Achievement Award at Camden Club ceremonies on October 28. It was a most appropriate and well-deserved 72nd birthday gift.

Vicki Strittmater

News

School receives grants to attract minorities to health professions

To encourage underrepresented minority students and those from disadvantaged backgrounds to choose a career in the health professions, the University of Maryland School of Medicine has received more than \$2 million in grant support.

A Health Careers Opportunities Program (HCOP) grant of \$643,917 was awarded to Denise M. Harmening, Ph.D., professor and chair of the school's department of medical and research technology. The

funds, provided through the Department of Health and Human Services, will assist individuals from disadvantaged backgrounds in entering and graduating from health professions schools. It will also facilitate entry into fields such as clinical laboratory science.

The second, a Centers of Excellence grant of \$1,504,200, makes the school one of only a handful in the country that has received both of these grants. The grant, received by

Robert L. Harrell, Jr., Ph.D., assistant dean of minority student affairs, has a three-fold purpose: it will enable the School of Medicine to recruit and retain minority students and faculty, pro-

The University of Maryland School of Medicine has received more than \$2 million in grant support.

mote research of minority health issues and enhance the medical school curriculum with respect to minority health issues.

Finally, a prestigious Fogarty International Minority Training Program grant of \$1,064,200, awarded to Jordan E. Warnick, Ph.D., professor and director of student research programs, will broaden the education and research experience of minority students and faculty members. The grant makes it possible for them to experience an international understanding of the biomedical research environment by spending time at Erasmus University School of Medicine in Baltimore's sister city of Rotterdam, the Netherlands.



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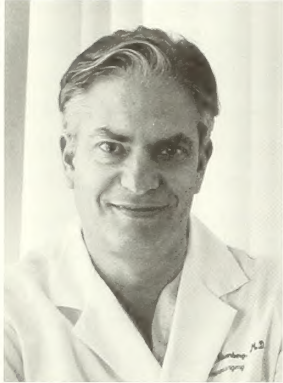
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News

Welcome to . . .



Kevin Weber

Howard M. Eisenberg, M.D. is chief of the division of neurosurgery and professor of surgery at the University of Maryland Medical Center and director of medical services for Shock Trauma (R Adams Cowley Shock Trauma Center). Dr. Eisenberg was previously professor of surgery and pediatrics and chief of neurological surgery at the University of Texas Medical Branch in Galveston.

Dr. Eisenberg has a strong background in general neurosurgery and in neuro-trauma surgery, and a special interest in epilepsy surgery. His current research projects include studies on spine and head injuries in both adults and children.

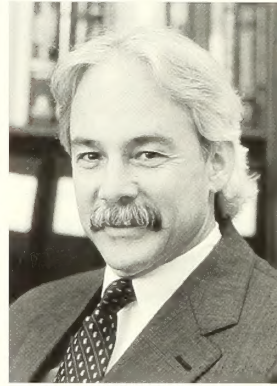
In 1990, Dr. Eisenberg was part of a team that received one of the highest honors in the neurosciences, the Wakeman Award, for research showing that emer-

gency high-dose steroid drugs could help people paralyzed by spinal cord injuries recover sensation and movement.

Dr. Eisenberg serves on the editorial board of the *Journal of Neurosurgery*, and is a director of the American Board of Neurological Surgery, and chaired an NIH advisory group that reviewed neurology research applications.

A graduate of the State University of New York, Downstate Medical Center, Dr. Eisenberg held an internship and residency in general surgery at New York Hospital, followed by a residency in neurological surgery at Children's Hospital Medical Center and Peter Bent Brigham Hospital in Boston.

The Advances and News sections are prepared with thanks to the public affairs officers of the University of Maryland at Baltimore (410-706-3572) and the University of Maryland Medical Center (410-328-6776):
Jill Bloom
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Vicki Strittmater



Richard Anderson

William R. Flinn, M.D., was recently named professor and head of vascular surgery. Dr. Flinn comes from Northwestern University in Chicago, where he was an associate professor in the division of vascular surgery and medical director of the vascular laboratory at Northwestern Memorial Hospital. He was also director of the Center for Vascular Disease of Columbus Hospital, which is affiliated with Northwestern University.

Dr. Flinn has performed some of the pioneering clinical research in the use of Doppler ultrasound to diagnose vascular problems and has made numerous contributions to surgical textbooks and journals. His initial goals include expansion of the Medical Center's noninvasive Vascular Laboratory, increasing the scope and sophistication of diagnostic testing to aid area physicians in the evaluation of more complex

vascular disorders.

In addition to expanding the vascular lab and performing vascular surgical procedures, Dr. Flinn plans to develop comprehensive long-term management programs for patients with vascular disorders, including research in disease prevention. He also plans to establish a post-graduate training program in vascular surgery.

Dr. Flinn received his M.D. from Northwestern University where he also completed his residency in general surgery and a fellowship in vascular surgery.



Richard Anderson

Douglas E. Mattox, M.D., has been named professor and head of otolaryngology-head and neck surgery. Dr. Mattox was previously at the Johns Hopkins School of Medicine, where he was professor and vice chairman of the department of otolaryngology-head and neck

Continued on the next page

News

surgery and associate professor of neurosurgery.

Dr. Mattox brings extensive experience and expertise in otology, neuro-otology and skull base surgery. He has coauthored several books in the field of otolaryngology-head and neck surgery, and is editor-in-chief of a new journal, *Skull Base Surgery*. He is also a founding member of the North American Skull Base Society and the International Skull Base Society.

Dr. Mattox received his M.D. from Yale University, and completed an internship in surgery and a residency in otolaryngology at Stanford University Medical School.



Richard Anderson

Lawrence Holder, M.D., was recently appointed professor of radiology and director of nuclear medicine. Dr. Holder

was most recently chief of radiology at the Children's Hospital and Center for Reconstructive Surgery, chief of radiology at Cardinal Shehan Center for the Aging and the Stella Maris Hospice, an attending radiologist at Union Memorial Hospital and a member of the volunteer faculty in radiology at the Johns Hopkins School of Medicine.

Dr. Holder earned his M.D. from Washington University School of Medicine in St. Louis. His residency in radiology was completed at University of Cincinnati, where he was chief resident. Dr. Holder also completed a fellowship in nuclear medicine at Cincinnati, before coming to Baltimore as director of nuclear medicine at Union Memorial in 1975.

Dr. Holder's special interests include reflex sympathetic dystrophy diagnosis, bone trauma, tumor imaging and sports medicine imaging. He is certified in nuclear medicine and diagnostic radiology.



Richard Anderson

Barbara H. Davis, was recently appointed vice president of clinical quality systems. Davis will play a key role in the Medical Center's strategy to demonstrate its values to customers. She will work with the medical staff in assessing clinical quality and identifying opportunities which improve patient care. She will also work

closely with the Medical System's service quality teams as they undertake new initiatives. In addition, Davis will support the medical staff's efforts in clinical utilization, and will work with medical staff services, such as credentialing and graduate medical education.

Davis was formerly a regional manager of quality resource management for Kaiser Permanente in Cleveland, where she was responsible for monitoring the quality and resource use of inpatient and outpatient services. She has more than 10 years experience in directing clinical service quality systems.

Now on video . . .

Production crews roamed the School of Medicine in late summer, filming a video on how medical students are encouraged to train in primary care.

The *Journal of Medical Economics* featured the School of Medicine in a segment of its quarterly video news magazine. The completed video will reach 35,000 primary care physicians around the country.

Interviewed for the segment were Dr. Donald E. Wilson, dean; Dr. Frank Calia, vice dean; Dr. Milford M. Foxwell, Jr., associate dean of admissions; and students Kent Bream, Nitten Milak, Sam Woo, Martine Noukelak and Paul Jung.

Cold, bold treatment for prostate cancer

Thin metal probes pass through the skin into the cancerous prostate gland. Cold liquid nitrogen flows through the probes and within 30 minutes freezes the tumor to minus-300° F. When the prostate thaws, the cancerous tissue is dead and eventually absorbed into the body.

Within two days of this new treatment, the patient is sent home with few, if any, side effects. The prospects of recovery are good.

Only one hospital in the Mid-Atlantic region—the University of Maryland Medical Center—is offering this new cryosurgery procedure to prostate cancer patients. Under the direction of Michael Naslund, M.D., assistant professor of urology and director of the Maryland Prostate Center, the treatment is offered to selected patients who would benefit more from cryosurgery than radiation therapy.

“Cryosurgery holds the promise of treating—or in some instances controlling—prostate cancer with much less morbidity than radiation therapy,” says Dr. Naslund.

Already comfortable with the use of ultrasound, Dr. Naslund and his colleagues traveled to Pittsburgh to observe other cases of cryosurgery. “We were pretty experienced with ultrasound of the prostate. This was just an extension of that,” he says.

“The major benefit of cryosurgery is that most patients do very well and have very few side effects,” said Dr. Naslund. “In the short-run, there is pain in

Cryosurgery holds the promise of treating—or in some instances controlling—prostate cancer with much less morbidity than radiation therapy.

the perineum and they need a catheter for a week or two.”

Now that the procedure has been perfected, there are only rare instances of rectal or bladder injury from freezing. By the end of a year fol-

lowing surgery, the impotence rate is 50 to 60 percent—the same as for other treatments.

After one year, says Dr. Naslund, 85 percent of the patients show no signs of cancer while after radiation, the majority of patients have a recurrence. “But this is still investigational treatment,” he adds. “We don’t know the long-term effects.”

The typical patient for Dr. Naslund’s procedure is in his 70s or 80s—not a good candidate for surgery. Only a minority of his patients are opting for cryosurgery but, he notes, it is only appropriate for a small number of patients at this time.

While prostate cancer is the most common form of cancer found in men, there are no symptoms early on when it is confined and curable. Clinical signs of prostate cancer hit one in 11 men, although all probably have microscopic indications of the disease by the time they reach their 70s. All men at least 50 years of age should have annual prostate examinations. A blood test can reveal elevated levels of a prostate-produced protein

that indicates the presence of cancer.

“At the early stage, prostate cancer can be cured. At a later stage, maybe,” says Dr. Naslund. “Elderly men don’t want to find out they are sick—and it’s a shame. Not finding out about prostate cancer is not going to make it go away.”

The Maryland Prostate Center offers comprehensive prostate care from early diagnosis through treatment and counseling. To contact the center, call 1-410-328-0800.

Nancy Kercheval

If you would like more information about research described in *Advances*, or would like to participate in collaborative therapy trials, we invite you to call the University Physicians Consultation & Referral Service, 1-800-373-4111.

Diabetes: Reducing the risks

Continuous control of glucose levels makes a difference

Results of a 10-year study at the University of Maryland School of Medicine found that careful, continuous control of blood sugar levels slows the onset and progression of serious complications among people with insulin-dependent diabetes. The Diabetes Control and Complications Trial found that intensive treatment reduces damage to the eyes, kidneys and nerves.

"We now have evidence that devastating complica-

tions from diabetes can be greatly reduced with better control of glucose levels," says Avinoam Kowarski, M.D. professor and director of pediatric endocrinology.

Researchers compared two treatment methods in patients with insulin-dependent diabetes. Patients on intensive treatment took three or four insulin injections a day or used a portable insulin pump to keep glucose levels as close to normal as possible. They

closely monitored their own glucose levels and adjusted the insulin doses, also taking into account their food intake and exercise.

The other group followed conventional treatment, including one or two insulin injections a day, daily blood sugar tests, and a standard program of nutrition and exercise.

Intensive treatment reduced diabetic eye disease by 76 percent, prevented or delayed progression of dia-

betic kidney disease by 35 to 36 percent, and reduced the risk of diabetic nerve disease.

"The results are dramatic. They show that diabetics can reduce complications by taking an active role in controlling their blood sugars," says Philip A. Levin, M.D. associate professor of pediatrics. "Many patients will need to make lifestyle changes to closely regulate their glucose levels, but we now know that those efforts can be very worthwhile."

New study focuses on liver activation to cut complications

The University of Maryland Medical Center (UMMC) joined seven other centers nationwide in a one-year study of a new approach to prevent complications caused by diabetes. The treatment, known as hepatic activation, activates the liver which shuts down in patients with Type I diabetes.

During hepatic activation, patients drink very high concentrations of liquid glucose while receiving intermittent pulses of insulin directly into their bloodstream through a small pump. The activation is conducted at the medical

center over an eight-hour period, once a week for 52 consecutive weeks.

"Early studies show that this approach improves control of diabetes and may slow the progression of complications caused by the disease," says Matthew R. Weir, M.D., associate professor of medicine and medical director of the department of medicine's clinical research unit at the UMMC.

The Medical Center will recruit at least 10 participants between the ages of 18 and 75 who have Type I insulin-dependent diabetes and early evidence of organ

damage. All patients in the study will be on a tightly controlled regimen of glucose testing and four injections of insulin a day. Half of the patients will receive the hepatic activation.

Researchers will monitor and evaluate kidney function, vision and nerve conduction to see if this therapy slows down damage or prevents it from occurring. The outcomes from the patients receiving hepatic activation will be compared with the patients in the study who just maintain a tight regimen of glucose testing and insulin.

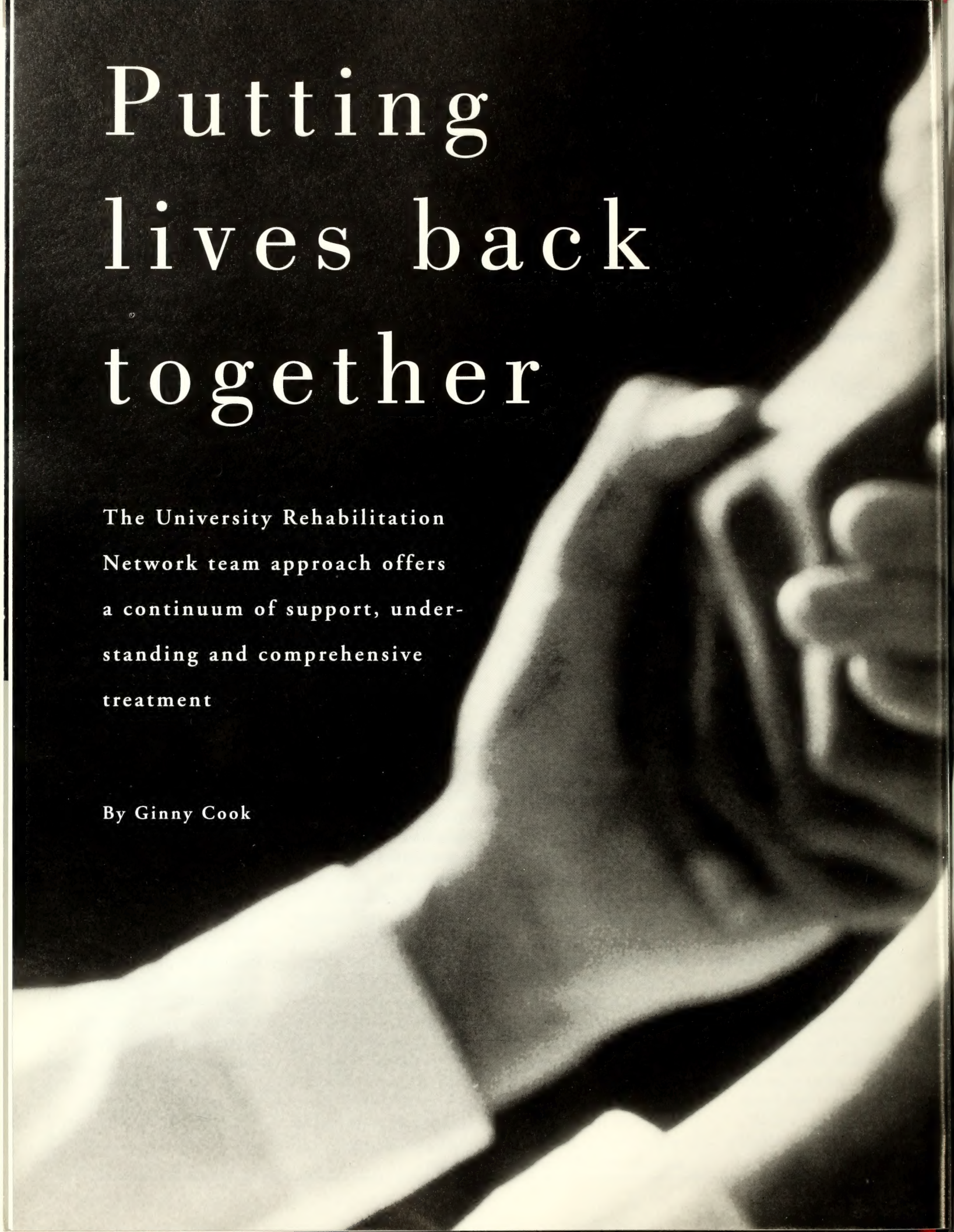
"We think that presenting a combination of large amounts of glucose and insulin to the liver will facilitate the liver's ability to regulate blood glucose in a more effective manner," Dr. Weir says. "Consequently, there will be fewer swings in blood glucose levels and, we hope less organ injury. This therapy more closely resembles what normally happens physiologically when a person eats a meal."

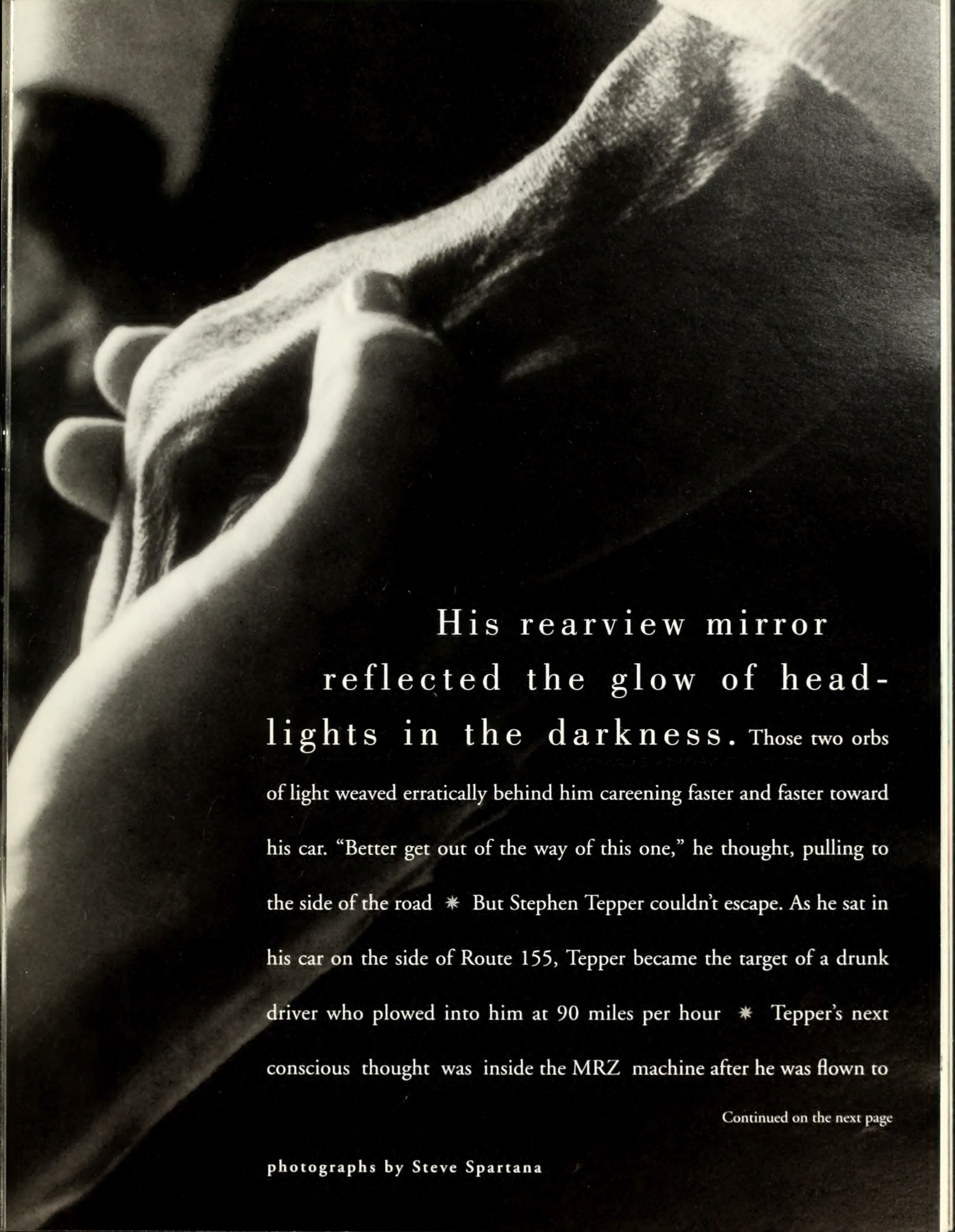
For more information about the hepatic activation study, call 410-328-2010.

Putting lives back together

The University Rehabilitation
Network team approach offers
a continuum of support, under-
standing and comprehensive
treatment

By Ginny Cook





His rearview mirror
reflected the glow of head-
lights in the darkness. Those two orbs
of light weaved erratically behind him careening faster and faster toward
his car. "Better get out of the way of this one," he thought, pulling to
the side of the road * But Stephen Tepper couldn't escape. As he sat in
his car on the side of Route 155, Tepper became the target of a drunk
driver who plowed into him at 90 miles per hour * Tepper's next
conscious thought was inside the MRZ machine after he was flown to

Continued on the next page

photographs by Steve Spartana

Shock Trauma. "I was lucky," he says. "I didn't have a neck injury and there was no brain damage." But the impact had shattered the bones in his left arm and leg, and left a slight tear in the carotid artery.

With a 70 percent chance of a stroke from the leaky vessel, Tepper was sent to the operating room where surgeons went through his groin to stem the bleeding. Shock Trauma had saved Tepper's life. Now the healing would begin—the long, slow process known as rehabilitation.

For Tepper and other victims of car accidents, strokes or illnesses, rehabilitation helps put their lives back together and restores physical and emotional competence and independence.

"We knew that Shock Trauma could keep patients alive," says Donald N. Joyce, executive director of rehabilitation and program development at the University of Maryland Medical Center (UMMC). "The second step was to provide rehabilitation services—moving them out of the acute care of Shock Trauma to our own system of rehab care."

The University Rehabilitation Network was born, mushrooming since the early 1980s to include affiliations with hospitals and outpatient services throughout the state.

Branches of the network include the Inpatient Rehabilitation program at Shock Trauma, University Hospital Neurorehabilitation, Montebello Rehabilitation Hospital, the James Lawrence Kernan Hospital, Bay Area Health Care, Comprehensive Rehabilitation Care, Inc., Mount Washington Pediatric Hospital and a referral service where one phone call puts patients in touch with university programs. (See sidebars.)

The network "makes rehabilitation services a product line for patients," Joyce explains. It offers them the advantage of having a menu of care options delivered to their bedsides without the hassle and frustration of searching for a place to go for treatment.

As the patient becomes ready to progress to the next stage of treatment, whether it's at a rehab hospital, outpatient facility or home, the network can help the family and patient make the transition, Joyce says. "This continuum of care is vital to our patients' recovery," he says.

And it's a more efficient system of care," he says. "There's no time lost finding an appropriate center to meet patient needs." And because the network is so efficient, it ends up being cost-effective. Timely referrals decrease the length of stay at costly acute care hospitals, discharging patients to rehabilitation centers where care costs less.

Steve Tepper is a prime example.

His Shock Trauma surgeons, he says, marveled at the speed with which his broken bones were mending. At 27, his youth was a factor in his recovery but so was his former hobby—weightlifting. Mr. Harford County of 1989, Tepper's dense bone mass and muscular physique probably saved him from a paralyzing neck injury and aided his recuperation from the fractures.

So just three and one half weeks after his accident, Tepper entered rehabilitation at Montebello Hospital. His broken bones were knitting but he still faced relearning the basic skills of everyday living before he could return home.

The impact of the crash had damaged his memory and his vocal cords. "I could barely talk; it was a whisper really and my speech was slurred," Tepper recalls. A concussion resulted in memory loss and after being tube fed for a time after the accident, he had to relearn to swallow his food.

Physical and occupational therapists worked with Tepper so he could gain control of his life. The daily therapy schedule was rigorous and demanding. "I was frustrated a few times, but I would tell myself it could have been so much worse and try to keep a positive attitude," Tepper says. Still, the accident "cheated me out of two months of my life," but a support-

ive family and his therapists "kept me from getting depressed," he says.

"The majority of the staff care about people. It is not just a job to them. They put aside lunch, whatever to help you out," Tepper says.



The James Lawrence Kernan Hospital offers a team approach to patient care, returning patients to their homes and communities after an average stay of 24 days.

At Montebello, staff work with patients in four speciality units—

traumatic brain injury, stroke, orthopedic and spinal/multiple sclerosis/neurological disorders unit. Specialized equipment aids in the rehab process. On the spinal cord injury unit, for example, the physical therapy gym has a Regys Chair—one of the few in the state. It uses small electrodes to painlessly stimulate paralyzed or weakened muscles, keeping them toned and enhancing the patient's cardiovascular system.

Montebello also has Maryland's first 9-hole miniature golf course designed for patients in wheelchairs. The course serves as a transitional step that helps patients gain skills and mobility through recreation.

With 183 beds and its specialty units, Montebello helps patients take their first steps in the journey back to independent living.

Situated on 22 acres in Northeast Baltimore, the hospital was originally built

to care for asbestos and tuberculosis patients and was scheduled for a \$15 million facelift financed by the state.



But the experts said the "reconstruction would be too costly," Joyce says. Instead, the plan is to build a new, 130,000 square-foot facility on part of the 88 acres occupied by the James Lawrence Kernan Hospital. The new rehabilitation hospital will merge Montebello's staff and services with Kernan's on the west side of town.

Early site work will begin on the \$30 million building—to be financed by a bond issue—this February with completion slated for the fall of 1995. When Montebello closes its rehab doors in 1996, the state will use the building for offices, Joyce says. "In two years, all rehab services will be at the Kernan site. This is a better plan—to attach a rehab hospital to an acute care hospital" he adds.

Continued on page 16

The University Rehabilitation Network

The University Rehabilitation Network is the largest in the state serving 35 percent all patients who require rehabilitation, according to Donald Joyce, executive director of rehabilitation and program development.

The network offers inpatient, outpatient and home-based care and is continually expanding to provide a total spectrum of services for patients.

The Shock Trauma Center Inpatient Rehabilitation Program helps trauma patients take their first steps to rehabilitation and recovery.

University Hospital Rehabilitation creates an intensive treatment program for people with debilitating neurological and orthopedic conditions.

Montebello Rehabilitation Hospital, located in northeast Baltimore, has 183 beds dedicated solely to comprehensive rehabilitation. In a little over two years it will move to the west side of town in a combined facility and programs with the James Lawrence Kernan Hospital.

The James Lawrence Kernan Hospital, originally a tuberculosis hospital that evolved into an orthopedic facility, now offers an innovative 18-bed comprehensive rehabilitation unit and a 12-bed geriatric rehabilitation program. A 130,000 square foot building costing \$30 million is scheduled for construction that will merge its programs with Montebello. The estimated occupancy date is February 1996.

The Comprehensive Rehabilitation Care, Inc. is an outpatient facility located in Glen Burnie and affiliated with the University of Maryland Medical Center (UMMC) and North Arundel Hospital. It offers a wide range of specialized services including occupational, physical and speech therapies, psychology, social work, orthotics and prosthetics.

Bay Area Health Care is a Medicare-licensed home care agency that provides specialized in-home rehabilitation services including physical therapy, occupational therapy, personal and psychiatric home care.

The Mount Washington Pediatric Center has become part of the UMMC network to provide specialized rehabilitation for children.

A future branch of the network may link UMMC with two hospitals in Western Maryland—Cumberland and Washington County. The group is trying to win a certificate of need from the state for 50 rehabilitation beds.

Founded in 1895, the James Lawrence Kernan Hospital evolved from a medical

center specializing in treatment of children with tuberculosis, polio and scoliosis to an adult orthopedic and rehabilitation hospital.

Today Kernan offers orthopedic services from surgery and joint replacement to limb lengthening and sports medicine. Five years ago the staff also began to focus on comprehensive rehabilitation programs primarily for patients who suffered from stroke and neurological disorders, according to Nancy Lester, rehabilitation coordinator.

Kernan also rehabilitates patients recovering from orthopedic surgery, multiple trauma injuries, amputations or the frailties and complex medical problems of old age. Through physical therapy, occupational therapy, social work, speech and language pathology and therapeutic recreation, the goal is to return patients to their homes and communities.

"Our primary focus of rehabilitation is wellness," Lester says. "We try to avoid a sick role."

The Kernan staff takes a team approach to individual patient care. With a stroke patient, for example, a neurologist, a rehabilitation nurse, a primary nurse, physical therapist, occupational therapist and social worker evaluates the patient the first day. Goals are tailored to each patient's particular needs and strengths; then the team meets weekly to discuss the patient's progress and gives a weekly update to the patient and family.

An intensive therapy schedule has patients going home after an average of 24 days, Lester says. Discharge depends, of course, on "what supports there are at home and the level of functioning of the patient," she adds.

Exercise and cooking groups where patients share recipes and fix lunch lets "patients have fun with their therapies," she

Two other network

options bridge the gap between inpatient care and the return to daily life. Bay Area Health Care provides in-home rehabilitation services to patients and Comprehensive Rehabilitation Care in Glen Burnie offers multiple services under one roof including neurology, occupational and physical therapy, social work, psychology, neuropsychology and speech-language pathology.

Designed for patients who can be discharged from a rehabilitation hospital, both services aim to reintegrate patients into the familiar routine of family, work and leisure activities.

Home care is for patients who are not necessarily bedridden but who would expend a "considerable and taxing effort to leave home," says Lora Rosenthal, director of home health coordination, Bay Area Health Care. It must be ordered by a physician, she adds.

Bay Area Health Care is a Medicare-licensed home care agency that provides home care services such as nursing, physical therapy, occupational therapy, home health aides and personal care 365 days a year. It serves patients in Baltimore City and Baltimore, Anne Arundel and Howard Counties.

For patients leaving a hospital, nursing home or inpa-



For 365 days a year, Bay Area Health Care provides home rehabilitation services and personal care.

The University Rehabilitation Network

More than just a clearinghouse

One phone number puts patients, their families and physicians in touch with the services of the University Rehabilitation Network.

The network referral service is more than just a clearinghouse for information on University-sponsored rehab programs and other rehabilitation services. It sends staff to evaluate patients and determine the best plan for their maximum recovery.

"Normally, within 24 hours of receiving a call, we send a nurse to the patient's bedside," says Charlotte Pappas, a nurse liaison. Nurses will evaluate the patient, speak to the patient and family and help them choose the most appropriate place for rehabilitation. The referral service also conducts a "full insurance investigation so patients know who is responsible for what," she adds.

The network can help patients with a number of disabilities including head trauma and spinal cord injury, stroke, cerebral palsy and other developmental disabilities, multiple sclerosis, neuromuscular disorders, orthopedic conditions, amputations and the effects of aging.

For more information about the University Rehabilitation Network referral service, call 410-328-8680.

tient rehabilitation facility, Comprehensive Rehabilitation Care offers specialized outpatient services. It is also the next step for those who have been receiving services in the home and have progressed to a level where outpatient rehabilitation meets their needs.



Beginning with the dramatic efforts of Shock Trauma where

seconds can make the difference between life and death to the aftermath of injury and illness where seconds can drag on like hours, the University Rehabilitation network offers a full range of support, understanding and comprehensive treatment.

Whether it's acute inpatient care, rehabilitation in a hospital or outpatient and home care, the network is a continuum of care that is vital to healing and recovery. The goal is for patients to get well as fast as possible, to return to good health—to go home.

Ginny Cook is a Baltimore-based writer specializing in medicine and science.



"Honor" is a concept that we are all familiar with, but most likely give little thought to on a day-to-day basis.

As a society, we honor sports figures as well as theologians, film stars as well as academics. Certainly, we honor our parents and teachers. As an institution, we honor those who have proven themselves to be friends and the Honor Roll is one method to express that

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Some are newly graduated and are listed for the very first time ♦ Whether you are a graduate, faculty member or friend, please know that we hold you in high esteem for your loyalty and for the financial expression of that loyalty. The benefits that have accrued over the years as a result of private philanthropy are literally uncountable. You have every right to be proud of your gifts and of the progress they have made possible.

Thank you.



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Herbert J. Levickas '46
William S. M. Ling '40
Geoffrey B. Liss '76
Jack S. Lissauer '71
Thom E. Lobe '75
Bruce G. Lowman '74
Peter P. Lynch '57
Allan H. Macht '46
Andrew M. Malinow '81
Mr. Charles W. McGrady
Joseph S. McLaughlin '56
J.W. Metcalf, Jr. '53
Paul D. Meyer '60
Damon F. Mills '60
Jack C. Morgan '43D
Morton Mower '59
O. Lee Mullis '69
David A. Nagey
John A. Niziol '72
Linda D. Oaks '79
Clark Lamont Osteen '56
Carolyn J. Pass '66
Theodore C. Patterson '62
M. R. Petriella '72
Heather P. Peirce
Jean Posner-Gordon '67
Prince Georges Co. Medical Society
Richard M. Protzel '64
Krishna C.V.G. Rao
Joel Wm. Renbaum '68
Richard D. Richards
G. B. Richardson '75
Donald C. Roane '65
Robert C. Rossberg '46
Barry J. Schlossberg '68
David M. & Ann H. Shearer
Nathan Stofberg '60
Landon Clarke Stout '57
Kristin Stueber '69

No person was ever honored for what he received; honor has been the reward for what he gave.

Calvin Coolidge

Richard M. Susel '66
Richard L. Taylor '75
Robert J. Thomas '59
Nevins W. Todd, Jr. '57
Harold Tucker '73
Roberta S. Tucker '73
Dean L. Vassar '72
Michael Vinciguerra '12 Trust
Arthur V. Whittaker '54
John F. Wilbur
A. F. Woodward, Jr. '79
Miriam M. Yudkoff '76
David L. Zisow '74

Robert A. Barish
Barnett Banks Trust Company
Robert E. Bauer '46
Elliott M. Berg '58
David H. Berkeley '70
Norman Blankman '55
Arnold S. Blaustein '66
Thomas G. Breslin '61
Bruce D. Broughton '62
John N. Browell, Jr. '61
Everett D. Bryan '63
R. S. Buddington '68
Francine D. Camitta-Butler
Nijole B. Carozza '63
Robert P. Cervenka '80
Jane L. Chen '80
Todd D. Clopper '68
Earl Cohen '54
Ira J. Kalis Cohen '78
W. N. Corpening '43D
Elizabeth L. Coultas '47
Raymond R. Curanzy '51
Louis Anthony Damiano '87
Louis M. Damiano '60
Michael J. Damiano '87
Donald A. Deinlein '64
Edwin A. Deitch '73
Joseph & Helen Dobry
Guy K. Driggs '46
Straty H. Economon '60
Ian S. Elliot '78
William D. Ertag '66

JAMES CARROLL SOCIETY (\$500 - 999)

John E. Adams '56
Anonymous
Jerome D. Aronowitz '70
Edward E. Aston, IV '69
Mark S. Austerlitz '75
George K. Baer '55
Joseph W. Baggett '45
George E. Bandy '61
James L. Banks, Jr. '53

Continued on the next page



Honor Roll

S U M M A R Y O F 1 9 9 2 - 9 3 G I F T S

Alumni Perpetual Fund	\$1,500	Hall-Craggs Student Loan Fund	1,550
Alumni Student Loan Fund	11,040	Health Sciences Library Fund	825
Bernard J. Sabatino Student Loan Fund	1,100	Hoffman Student Loan Fund	1,975
Blanchard Lectureship	250	Howard C. Silver Fellowship	500
Bob McCaffrey Scholarship Fund	8,220	Human Dimensions in Medical	
Buxton Lectureship	200	Education Program	400
Cancer Center	600	Isadore Tuerk Lectureship	325
Children's Cancer Center	250	Jack C. Morgan Student Loan Fund	15,286
Class of 1935 Fund	250	Jay Whitman Memorial Fund	1,050
Class of '73 Adversity Fund	100	John D. Young Jr. Fund	2,775
Davidge Hall Fund	5,655	John M. Dennis Chair in Radiology	6,605
Dean's Discretionary Fund	6,620	Kenneth L. Malinow Memorial Fund	3,150
Department of Anatomy	250	Learning Resources Center Fund	180
Department of Anesthesiology	800	Lois Young Memorial Fund	2,260
Department of Epidemiology and		Lois Young Minority Fund	3,120
Preventive Medicine	50	Martin Helrich Chair in Anesthesiology	250
Department of Family Medicine	3,720	Maryland Hospital For Children	1,500
Department of Gastroenterology	100	McGrady Student Loan Fund	15,550
Department of Medicine	2,420	M.D./Ph.D. Program	525
Department of Neurology	3,185	Medical Alumni Student Scholarship Fund	12,190
Department of Obstetrics and Gynecology	2,100	Merlis Lectureship	400
Department of Ophthalmology	2,325	Milton Ginsberg Memorial Award Fund	2,500
Department of Orthopedic Surgery	200	Myron Kenler Library Fund	100
Department of Otolaryngology	1,500	Nataro Family Scholarship Fund	250
Department of Pathology	600	Plastic Surgery Lectureship	1,100
Department of Pediatrics	2,225	Puerto Rican Lectureship	240
Department of Pharmacology and		Rowland Student Loan Fund	50
Experimental Therapeutics	100	Sean Houlihan Fund	1,025
Department of Psychiatry	1,730	Shock Trauma Center Fund	600
Department of Surgery	110	Taylor Lectureship	100
Department of Urology	150	Teaching Lab Renovation-Howard Hall	100
Division of Child and Adolescent Psychiatry	75	Theodore E. Woodward Fund	4,950
Division of Dermatology	3,825	Thomas B. Connor Professorship	20,055
Division of Genetics Research	100	Warren Chamberlain Memorial Fund	200
Division of Internal Medicine	20	Warres Lectureship	600
Division of Maternal-Fetal Medicine	850	Total Restricted	168,781
Division of Neurosurgery	100	Total Unrestricted	351,094
Division of Pulmonary Research	50	Gifts in Kind	7,156
Division of Thoracic Surgery	1,400	Planned Gifts	245,000
Doris and Sylvan Frieman Research Fund	100	Special Gifts	28,109
Dr. William Yudkoff Memorial Fund	1,000	Total Raised by Medical Alumni	800,140
Elaine M. Otani Memorial Fund	100	Association	
Finkelstein Lectureship	525	Total Received by School of Medicine	122,582
F. Mason Sones Scholarship Fund	1,000	Total Sent by AMA	15,028
		Grand Total of Gifts	\$937,750



Honor Roll

JAMES CARROLL SOCIETY, cont.

Henry Feuer '67
 Jack Fine '52
 Hugh V. Firor '53
 Barry L. Fischer
 V. deP. Fitzpatrick '45
 Robert O. France '67
 Stanley Friedler '65
 George E. Gallahorn '66
 Joseph M. George, Jr. '38
 Linda L. George '77
 Graham Gilmer '69 and
 Mrs. Gilmer
 Richard S. Glass '66
 Joel H. Goffman '67
 Stephen F. Gordon '66
 Florence H. Gottdiener '38
 William M. Gould '65
 Michael A. Grasso '70
 Paul K. Hanashiro '57
 John R. Hankins '48
 David R. Harris '65
 I. Frank Hartman '64
 Charles W. Hawkins '46
 Marion Silver Hayden
 Arnold Herskovic '69
 Walter N. Himmeler '55
 Lin H. Ho '70
 J. J. Houston, III '67
 Dennis J. Hurwitz '70
 James P. Jarboe '59
 William T. Johnstone '62
 Allen H. Judman '65
 James G. Kane '68
 Mark D. Kappelman '69
 Theodore Kardash '42
 James C. King '60
 James C. King, Jr. '80
 Ronald H. Koenig '66
 C. Ronald Koons '55
 Elliot S. Krames '71
 William Kraut '59
 Morton M. Krieger '52
 Dennis W. Lennox '76
 Stuart H. Lessans '67
 Donald R. Lewis '59
 S. D. Lincoln '77
 Rafael Longo '53
 Lois H. Love '62
 Frank F. Lusby '26
 Henry F. Maguire '45
 Charles E. Manner '75
 William G. Martin '77
 Anonymous

Carl A. Mattsson '66
 John W. Maun '65
 K. R. McGrady '51
 G. T. McNerney '58
 James Jay McMullen '74
 Joseph A. Mead, Jr. '58
 M. S. Michaelis '64
 Joseph P. Michalski '70
 Jose Oscar Morales '59
 Stanley A. Morrison '72
 Bert F. Morton '68
 C. A. Mosley, Jr. '77
 Thomas E. Murphy, Jr. '72
 Carl J. Orfuss '66
 Joseph C. Orlando '67
 Frank S. Palmisano '67
 Joseph F. Palmisano '53
 Selvin Passen '60
 Francis Perna
 Kathryn A. Peroutka '75
 John H. Poehlman '70
 Carl G. Quillen '68
 Harold I. Rodman '56
 Joseph M. Rogers '47
 Henry Rothkopf '38
 John T. Scully '51
 Alfred A. Serritella '66
 Albert Shapiro '37
 Margaret L. Sherrard '49
 Robert T. Singleton '53
 Jean C. B. Smith '54
 Aubrey C. Smoot, Jr. '52
 Louis Wm. Solomon '80
 W. H. Sothoron, Jr. '62
 Benjamin M. Stein '35
 Jeffrey S. Stier '66
 Martha E. Struffer
 John J. Tansey '45
 Richard L. Taylor '75
 Bernard O. Thomas, Jr. '38
 Phillip P. Toskes '65
 Theodore F. Toulon '60
 William A. Way Tyson '53
 Dr. & Mrs. Umberto
 VillaSanta
 Washington County
 Hospital Auxiliary
 Joel S. Webster '53
 Charles I. Weiner '70
 Adrian S. Weyn '58
 Alan L. Whitney '73
 Ms. Dorothy M. Wigderson

DEAN'S LIST (\$100 - 499)

James D. Abbott '73
 E. A. Abel-Lane '67
 Stuart J. Abrahams '57
 Leslie Abramowitz '66
 Daniel J. Abramson '38
 Elizabeth Acton '43D
 Stephen M. Adalman '67
 C. B. Adams, Jr. '52
 Eli Y. Adashi
 Milton H. Adelman '35
 Charles G. Adkins '52
 Robert T. Adkins '56
 Richard E. Ahlquist '52
 Mohamed S. Al-Ibrahim
 Verner Albertsen '65
 George C. Alderman '52
 Andrew Alecce '48
 Thomas R. Allan '71
 Charles J. Allen '57
 Ira S. Allen '85
 Ramon I. Almodovar '43M
 J. Alvarez deChoudens '44
 Sigmund A. Amitin '64
 Willard P. Amoss '68
 Willie A. Andersen '70
 Arthur O. Anderson '70
 C. E. Andrews, Jr. '75
 Mark M. Applefeld '69
 Neil R. Arbegast '61
 Dr. & Mrs. J. Arcadi
 Constance L. Archambault '69
 Thomas P. Archer '81
 Harry A. Ardolino '70
 Nicholas B. Argento '85
 Susan K. Arisumi '85
 Guillermo W. Arnaud '82
 Gayle Gardner Arnold '45
 James E. Arnold '66
 Marvin S. Arons '57
 Louis C. Arp, Jr. '53
 Robert K. Arthur '51
 Rodney Samuel Arthur '84
 Dorothy A. Ashby
 Michael N. Ashman '64
 Gerson Asrael '59
 Umur M. Atabek '80
 James L. Atkins '75
 Raymond M. Atkins '52

Reunion Class Gifts

A number of five-year Reunion classes presented small unrestricted gifts to the Medical Alumni Association following their class celebrations. We are proud to recognize the following for their thoughtfulness:

• 1943M	• 1943D	• 1948
	• 1958	• 1968
• 1973	• 1983	• 1988

Safuh Attar
 Edward A. Atwell '83
 George L. Austin '70
 J. Richaard Awalt
 Lawrence F. Awalt '60
 Frank J. Ayd, Jr. '45
 Leonard Bachman '49
 John L. Bacon '50
 Henry A. Baer '56
 Raymond D. Bahr '62
 Timothy E. Bainum '76
 Arthur Baitch '54
 Daniel Bakal '52
 Emory F. Baker '43M
 Christopher E. Bald '76
 George U. Balis
 James J. Ball '55
 J. O. Ballard, III '69
 Chandralekha Banerjee '82
 William J. Banfield '67
 R. Stanley Bank '37
 Daniel C. Barker '40
 David H. Barker '45
 Charles P. Barnett '41
 Martha L. Barnett '85
 Michael R. Barnett '85
 Robert M. Barnett '55
 Jay M. Barrash '66
 Mrs. Alberto Barretto
 Donald M. Barrick '62
 Susan Barrows '85
 Francis A. Bartek '70
 Robert A. Barthel '42
 William G. Bartlett '58
 Haskell H. Bass

Jonathan N. Bass '77
 Grace A. Bastian '53
 Joan M. Bathon '78
 Robert J. Bauer '72
 Max Baum '38
 C. Gottfried Baumann '62
 George R. Baumgardner '58
 S. B. Baumgardner '57
 Herman H. Baylus '39
 Bruce E. Beacham '75
 Sheldon B. Bearman '68
 John O. Beatty '47
 Robert M. Beazley '63
 Bruce L. Beck '73
 Harry M. Beck '39
 Larry Becker '64
 Jonathan M. Bedri '74
 C. Ray Bell, Jr. '32
 David F. Bell, Jr. '45
 Stuart B. Bell '77
 Emile A. Bendir '69
 Ronald S. Benenson '77
 Donald Gary Benfield '65
 William P. Benjamin '49
 Charles Wm. Bennett '78
 Jerald H. Bennion '56
 Brian M. Benson, Jr. '71
 Benjamin Berdann '45
 Eugene Bereston '37
 Howard K. Berg '81
 Raymond G. Berggreen '47
 Edward H. Bergofsky '52
 Scott B. Berkeley, Jr., '53
 Joseph W. Berkow '61

Continued on the next page



Honor Roll

DEAN'S LIST, continued

Robert Berkow '53	James C. Bozzuto '71	Thomas J. Burkart '53	Jon B. Closson '62	Howard A. Davidov '69
Steven M. Berlin '76	Geraldine P. Bradley '38	Francis J. Burke '62	Sidney Clyman '46	Charles N. Davidson, Sr.
David H. Berman '70	Mark Edmund Bradley '62	Fred J. Burkey '50	Sachiko T. Cochran '71	Maurice M. Davidson '61
Maurice J. Berman '58	Stanley E. Bradley '38	Joseph W. Burnett	John B. Codrington '53	Thomas E. Davies '42
Anthony A. Bernardo '54	Raymond Bradshaw Jr. '50	James A. Burwell '56	Vaughn D. Cohan '69	Jeffrey M. Davis '76
Rita S. Berndt	Myles D. Brager '80	Milton H. Buschman '61	B. Stanley Cohen '47	Robert J. Davis '77
Jeffrey J. Bernstein '83	Deborah Brandchaft-	Ivan L. and Francine C.	Col. Daniel L. Cohen, '71	Thomas E. Davis '55
Edwin H. T. Besson '54	Matro '72	Butler	Elliot S. Cohen '68	Albert L. Daw '68
Michael P. Bey '77	Frederick B. Brandt '43D	Ronald P. Byank '71	Irvin H. Cohen '47	David A. Dayton '64
Harold P. Biehl '40	Peter G. Brassard '83	Walter H. Byerly '53	Maimon M. Cohen	Joseph O. Dean '57
John A. Bigbee '67	Lee David Brauer '63	Robert F. Byrne '45	Miriam L. Cohen '64	Joseph Deckelbaum '51
Steven Billet '78	Rima L. Brauer '64	Edward H. Cahill '70	Stephen P. Cohen '63	Dale K. Dedrick '80
Oscar H. L. Bing '61	Joseph L. Braun '77	Ronald L. Cain '61	William N. Cohen '59	S. W. Dejter, Jr. '83
Damian E. Birchess '76	Martin Braun '70	Anthony J. Calciano '57	Gustavo A. Colon '64	Anne P. W. Denham '76
Joseph G. Bird '42	Roberta M. Braun '69	John L. Caldwell '68	Richard W. Comegys '33	Frank M. Detorie '64
James Bisanar '48	W. M. Braunohler '66	Dale B. Call '78	Frank Concilus '42	Terry P. Detrich '71
Joseph Wm. Bitsack '43D	Herman Brecher '60	Joseph F. Callaghan, Jr. '68	J. P. Connelly, Jr. '82	Andrew J. Devlin '52
John C. Blasko '69	Arnold Brenner '60	Leah R. Camp '45	Eugene H. Conner '45	Paul A. Devore '60
H. H. Bleecker, Jr. '50	Robert L. Brenner '71	E. W. Campbell, Jr. '61	W. Edwin Conner '73	Craig A. Dickman '80
Mary E.S. Bleecker '50	Louis C. Breschi '62	Harold J. Campbell '63	Thomas B. Connor '46	Ronald L. Diener '58
Miriam G. Blitzer	Marc S. Bresler '77	James J. Campbell '75	Robert Craig Cook '84	Samuel Diener '34
Lawrence F. Blob '76	Warren D. Brill '44	Terence D. Campbell '80	Sarah Cook '45	Andrew M. Diggs '52
Jeffrey P. Block '74	Henry T. Brobst '43D	Mrs. Denise D. Cann	Jeremy V. Cooke '60	John M. DiGrazia '82
Richard A. Block '74	Paul S. Brockman '82	Ms. Bess C. Caplan+	Brian K. Cooley '82	Robert E. Dinker '63
Gerald E. Bloom '58	James B. Brooks '52	Howard N. Caplan '72	David A. Cope '58	Anthony DiPaula '41
William F. Bloom '67	George H. Brouillet '71	Louis R. Caplan '62	Jay S. Copeland '69	Judith M. Dischel '72
John M. Bloxom '44	J. N. Brouillette '61	Robert F. Carr '82	Jaime L. Costas-Durieux '38	Gerard D. Dobrzycki '67
M. Larrie Blue '56	Charles S. Brown '65	William F. Carr '46	Cynthia L. Costenbader '82	Michael J. Dodd '73
Barry A. Blum '68	Donald E. Brown, Jr. '80	John H. Carrill '75	Carol C. Coulson '88	William A. Dodd '38
Jeffrey C. Blum '73	Elizabeth R. Brown '72	Alan L. Carroll '74	Leo A. Courtney, III '70	Thomas C. Doerner '74
M. Barry Blum '61	George R. Brown '69	Charles Carroll '82	Everard F. Cox '55	William A. Dombrowski '81
Stanley L. Blum '65	Janet F. Brown '76	Charles F. Carroll, Jr., '53	Michael E. Cox '76	Salvatore R. Donohue '64
Lawrence Blumberg '71	Jeffrey L. Brown '65	Karen C. Carroll '79	J. Michael Coyne '63	N. Edward Dorian '37
Morton B. Blumberg '68	Lawrence A. Brown '80	Edward A. Carter '69	Henry F. Crabbe '79	Walter H. Dorman '72
H. L. Blumenfeld '54	Manuel Brown '38	Marc L. Chaiken '72	Dwight E. Cramer '70	Donald D. Douglas '70
Samuel Blumenfeld '53	Richard J. Brown '44	Robert M. Chapa '80	Warren E. Crane '42	John J. Doyle '43D
William L. Boddie '67	Stuart M. Brown '54	Charles D. Chaput '44	Robert E. Cranley, Jr. '58	Robert L. Doyle '64
Edward N. Bodurian '78	Eve E. Bruce '84	Roderick E. Charles '55	George A. Crawford '69	Francis D. Drake '67
James E. Boggs '53	Stanley Brull '69	Henry V. Chase '47	Theodore H. Cryer '72	R. F. Draper, Jr. '72
Bruce R. Bolling '81	Douglas R. Brunner '80	Marie D. Chatham '77	Thomas Carlton Cullis '62	Robert H. Dreher '34
Howard Boltansky '78	P. C. Brunschwyler '55	Pierson M. Checket '41	Dominic A. Culotta '64	Guy K. Drigge '46 and
Alfred D. Bonifant '46	Donald Wm. Bryan '69	Judith L. Chipchin '82	Stuart P. Culppepper '52	Mrs. Drigge
Paul Bormel '57	Alice B. Buchdahl '70	Larry C. Chong '65	Joseph H. Cunningham,	Francis C. Drury '76
William R. Bosley '66	John M. Buchness '48	R. P. Christianson '74	Jr. '70	Melvin J. Duckett '83
William K. Bott '72	Michael P. Buchness '66	S. Blaise Chromiak '83	Bruce N. Curtis '58	Winston C. Dudley '51
James K. Bouzoukis '57	Louise P. Buckner '46	J. A. Ciotola, Jr. '73	Benedict A. Cusani '43M	William H. Dudley '61
Joseph R. Bove '53	Donald L. Bucy '57	F. A. Clark, Jr. '61	Gilbert B. Cushner '58	Ellen Ann Duer '64
Harry C. Bowie '36	Monica A. Buescher '83	Gaylord Lee Clark '58	Howard Marc Cushner '77	John C. Dumler '65
John W. Bowie '76	Matthew H. Bulluck '48	Mr. and Mrs. Jon M. Clark	Leonard D. Cutler '69	John C. Dumler '32
Philip R. Bowman '78	William R. Bundick '41	Charles H. Classen '66	Seth B. Cutler '75	William Dvorine '55
Steven W. Boyce '81	Mary C. Burchell '57	Raymond L. Clemmens '51	Miguel S. Dalmau '43M	Philip B. Dvoskin '66
George M. Boyer '83	Paul Burgan '62	Casper E. Cline, III '72	James B. Dalton, Jr. '48	
Mrs. Helen W. Boyer	Irving Burka '36	James M. Close '55	Ms. Harriette Darkin	

Continued on the next page



Honor Roll

DEAN'S LIST, continued

Perry A. Eagle '67
James L. Eavey '46
W. C. Ebeling, III '44
John W. Eckholdt
Jonathan A. Edlow '78
Frederick T. Edmunds '50
Willarda V. Edwards '77
Lawrence D. Egbert '52
Robert N. Egbert '70
Allen C. Egloff '68
L. J. Eglseider, III '83
Ludwig J. Eglseider '56
Paula Ehrlich '81
Arnold H. Eichert '38
Samuel E. Einhorn '35
Edward M. Eisenbrey '73
Jean M. Eisenbrey '73
Mosen M. Eldefrawi '85
Lee W. Elgin, Jr. '52
Jonathan S. Elias '82
Michael A. Ellis '66
Charles W. Emala '86
Paul G. Ensor '62
Ralph B. Epstein '70
Bahran Erfan
Richard J. Erickson '58
Joseph C. Eshelman '55
Joseph B. Esterson '69
James T. Estes '56
James R. Evans '75
John T. Evelius '84
Harry L. Eye '53
Ms. Susan Ezrine
Medical and Chirurgical
Faculty of Maryland
Howard S. Faden '69
Stanley N. Farb '58
Anthony F. Faustine '69
Albert G. Fedalei '88
Grania Feddis '83
Steven A. Feig '71
James Feld '77
Harris J. Feldman '67
Larry B. Feldman '67
Richard J. Feldman '77
Marvin A. Feldstein '57
Marianne E. Felice
Michael J. Fellner '60
Charlotte Ferencz
Charles K. Ferguson '51
Daniel P. Ferrick '81
Mary Jane Fetsch
Alan R. Figelman '73

COMPARISON OF GRANTS AND CONTRACTS			
BASIC SCIENCES	FY 92-93	FY 91-92	FY 90-91
Anatomy	\$ 547,217	\$ 861,527	\$ 959,288
Biochemistry	3,922,375	4,387,093	4,287,662
Biophysics	278,633	105,848	317,258
Microbiology/Immunology	3,543,833	3,185,293	3,022,337
Pharmacology/Experimental Therapeutics	2,788,691	2,775,708	3,250,880
Physiology	<u>4,185,229</u>	<u>4,735,234</u>	<u>3,849,325</u>
Subtotal Basic Sciences	\$15,265,978	\$16,050,703	\$15,686,750
CLINICAL SCIENCES			
Anesthesiology	\$ 348,586	\$ 305,340	\$ 1,052,762
Dermatology	60,680	0	0
Diagnostic Radiology	556,951	142,276	143,351
Epidemiology/Preventive Medicine	6,878,622	4,995,813	4,856,799
Family Medicine	1,322,244	1,632,628	1,411,339
Medicine and Oncology	22,586,299	19,236,010	19,944,276
Neurology/Rehabilitation Medicine	5,083,874	4,910,468	2,286,803
Obstetrics/Gynecology	1,202,490	1,754,482	1,736,798
Ophthalmology	725,473	1,875,138	613,720
Pathology	3,438,260	5,032,574	3,328,315
Pediatrics	13,621,334	13,135,099	10,726,121
Psychiatry	16,649,870	12,891,064	12,361,951
Radiation Oncology	500,370	619,610	206,644
Surgery	<u>1,563,713</u>	<u>1,579,459</u>	<u>1,901,069</u>
Subtotal Clinical Sciences	\$74,538,766	\$68,109,961	\$60,569,948
Other Programs	\$ 2,486,780	\$ 698,915	\$ 1,237,041
Totals	\$92,291,524	\$84,859,579	\$77,493,739

Leonard J. Figelman '62
Julio E. Figueroa '60
Stuart L. Fine '66
Richard A. Finegold '56
Mitchell S. Finkel '79
Vincent J. Fiocco '57
John L. Fiore '78
Joseph S. Fischer '46
Gary P. Fisher '70
George W. Fisher '47
Gregory H. Fisher '78
R. T. Fisher, Jr. '77
Harold Fishkin '58
Charles T. Fitch '54
Frederick G. Flaccavento '81
Fredric B. Flax '71

Leonard H. Flax '53
W. R. Fleming, Jr. '61
William G. Flowers '76
James P. G. Flynn
Richard R. Flynn '58
Wilbur H. Foard '44
Paul D. Forney '75
Gordon Forrer '47
Norman Forrest '54
Dwight N. Fortier '66
Daniel K. Foss '74
Karen S. Fountain '72
Louis Fox '75
Maury L. Fradkin '71
J. M. France, Jr. '66
William H. Frank '45

Frank A. Franklin '33
J. Howard Franz '42
Malcolm F. Freed '54
Peter C. Freis
James Frenkil '37
Allen A. Frey '65
Edward L. Frey, Jr. '41
Andrew P. Fridberg '78
Marianne N. Fridberg '78
Samuel D. Friedel '77
Barry H. Friedman '69
Marion Friedman '42
Neil B. Friedman '83
Joseph N. Friend '70
George S. Fritz '54
John G. Frizzera '68

Edward D. Frohlich '56
I. Phillips Frohman '37
Richard L. Fruth '54
Augustus H. Frye, Jr. '43D
Paul E. Frye '46
Peter C. Fuchs '63
Rowland E. Fullilove '51
Morris Funk '78
Walter D. Gable '54
W. A. Gakenheimer '47
Philip J. Galitz '35
Sebastian J. Gallo '57
James G. Gamble '75
Raymond Gambrell III '68
Francis S. Gardner, Jr. '51
Continued on the next page



Honor Roll

*Our deeds are like stones cast
into the pool of time; though they
themselves may disappear, their rip-
ples extend to eternity.*

Unknown

DEAN'S LIST, continued

- | | | | | |
|---------------------------|--------------------------|---------------------------|-----------------------------|-----------------------------|
| Darryl J. Garfinkel '72 | Nelson H. Goldberg '73 | Frank P. Greene '58 | William O. Harrison '66 | Howard M. Hirsch '70 |
| Leland M. Garrison '63 | Samuel D. Goldberg '69 | Duane L. Greenfield '46 | William M. Hart, Jr. '70 | John C. Hisley '65 |
| Ralph B. Garrison '33 | Sylvan D. Goldberg '39 | Ms. Linda Greenwald | David J. Hartig '78 | Charles F. Hoesch '75 |
| Patrick F. Gartland '82 | Lewis J. Goldfine | Robert B. Greifinger '71 | John F. Hartman '54 | Jan M. Hoffman '79 |
| Vincent W. Gatto '80 | Sheldon Goldgeier '58 | William Greifinger '36 | John M. Hartman '53 | Michael C. Hoffman '76 |
| John R. Gauld '55 | Marvin A. Goldiner '55 | Ann Watts Grieves | Brian J. Hasslinger '86 | Gerald A. Hofkin '61 |
| Ronald W. Geckler | Edward J. Goldman '78 | George E. Groleau '82 | James F. Hatch '74 | Paul E. Hogsten '86 |
| Sidney R. Gehlert '68 | Stanford M. Goldman | Edwin M. Grollman '76 | Frederick J. Hatem '51 | Robert C. Holcombe '54 |
| Julius Gelber '41 | Ronald Goldner '65 | Jack R. Groover '68 | I. F. Hawkins, Jr. '62 | W. F. Holdefer '57 |
| John D. Gelin '68 | Burton J. Goldstein '60 | Joyce Y. Gross '79 | J. M. Hawkins, Jr. '66 | William Hollister Jr. '55 |
| Michelle Gelkin '81 | Gerald Goldstein '77 | Robert B. Grossman '72 | Franklin R. Hayden '60 | William J. Holloway '48 |
| Alan I. Gelman '80 | William N. Goldstein '68 | Richard A. Gruen '78 | James W. Hayes '54 | Richard G. Holz '61 |
| William D. Gentry '46 | Michael Golembieski '72 | Francis L. Grumbine '44 | Marlene T. Hayman '77 | Alvin H. Honigman '43M |
| S. Bruce Gerber '66 | Leonard H. Golombek '48 | Keith B. Gustafson '88 | William M. Headley '54 | Stephen L. Hooper '68 |
| Alan S. Gertler '77 | Peter J. Golueke '80 | Ronald L. Gutberlet '61 | Robert F. Healy '34 | Lorman L. Hoopes '41 |
| John E. Gessner '54 | Augustin K. Gombart '66 | Robert M. Guthrie '74 | James M. Heaps '83 | Daniel Hope, Jr. '40 |
| George Gevas '53 | Carol M. Gonzalez '78 | William W. Guthrie '44 | Albert F. Heck '58 | Helen A. Horn '44 |
| John B. Gholl '84 | Luis F. Gonzalez '52 | J. Roy Guyther '43D | Alvin W. Hecker '55 | Francis E. Hornbrook '43D |
| B. Robert Giangrandi '63 | Lee A. Goodman '73 | W. Lehman Guyton, Jr. '38 | Charles A. Hefner '46 | Gwynne L. Horwits '71 |
| R. Louis Gibbs '40 | Roy R. Goodman '69 | F. Robert Haase '47 | Darvin L. Hege '75 | James F. Houghton '47 |
| Sheila S. Gibney '72 | Kenneth M. Goodwich '74 | The Hackers | Mrs. Esther B. Heimoff | Whitney Houghton '70 |
| Marion H. Gillis, Jr. '36 | Roger L. Gordon '72 | Scott D. Hagaman '83 | Robert J. Heinen '80 | William H. Howard '63 |
| J. P. Gillotte '53 | Lenita N. Gorrell '76 | William B. Hagan '43M | Colen C. Heinritz '62 | William L. Howard '34 |
| Loretta A.K. Gilmore '57 | Heidi D. Gorsuch '84 | J. J. Haggerty, Jr. '71 | Alice Heisler '63 | Daniel M. Howell '69 |
| Joseph S. Gimbel '67 | James R. Grabill '52 | Robert R. Hahn '47 | John W. Heisse, Jr. '53 | James I. Hudson |
| Robert L. Gingell '64 | George Thomas Grace '83 | W. D. Hakkarinen '70 | Samuel H. Henck '61 | Paul C. Hudson '55 |
| Austin E. Givens '45 | Jose R. Gracia '67 | Meredith S. Hale '58 | Neil C. Henderson '56 | Virginia Huffer '50 |
| Alvin Glass '60 | David E. Graham '52 | Louis S. Halikman '70 | Malcolm S. Henoch '75 | James L. Hughes '55 |
| Irving V. Glick '40 | Walter R. Graham '40 | Howard E. Hall '47 | John D. Hensala '60 | Ralph T. Hummel '56 |
| Louis M. Glick '54 | Albert Grant '43D | Richard H. Hallock '78 | Stanley W. Henson, Jr. '50 | William C. Humphries '37 |
| Ronald S. Glick '68 | Bowie L. Grant '48 | Leonard G. Hamberry '50 | Brian M. Hepburn | James S. Hunter, Jr. '41 |
| Samuel S. Glick '25 | Cynthia L. Graves '78 | James L. Hamby '67 | Geoffrey R. Herald '80 | K. A. Hunter-Fanto '86 |
| Alan E. Gober '74 | Harry W. Gray '49 | Stephen B. Hameroff '66 | Thomas F. Herbert '53 | Maxwell Hurston '30 |
| Anne C. Goldberg '77 | William C. Gray | Charles J. Hammer '54 | Jerry Herbst '71 | Irvin Hyatt '52 |
| Neil D. Goldberg '77 | C. Edward Graybeal '52 | A. F. Hammond, Jr. '57 | David E. Herman '73 | George F. Hyman '68 |
| | John G. Green '66 | Franklin A. Hanauer '59 | Frederick S. Herold '65 | John S. Ignatowski '67 |
| | Stephen B. Greenberg '70 | Barry S. Handwerker '68 | Lewis C. Herrold '35 | Thomas V. Inglesby '63 |
| | | K. H. Hanger, Jr. '77 | B. K. Hershfield '79 | Benjamin H. Inloes, Jr. '40 |
| | | I. Rivers Hanson, Jr. '66 | Webb S. Hersperger '56 | M. C. Insley, Jr. '48 |
| | | Ira E. Hantman '76 | Charles F. Hess '53 | Philip A. Insley, Jr. '63 |
| | | Daniel C. Hardesty '73 | Harold J. Hettleman '57 | Robert C. Irwin '42 |
| | | Henry C. Hardin, Jr. '46 | Philip W. Heuman '50 | Mr. Andrew L. Isaacson |
| | | Harford County Medical | Albert Heyman '40 | Alfred E. Iwantsch '55 |
| | | Society Women's | William J. Hicken '58 | Stephan R. Izzi '79 |
| | | Auxiliary | Charles Hicks, III '82 | Jean M. Jackson '67 |
| | | John B. Harley '46 | Henry Booth Higman '55 | Gary M. Jacobs '76 |
| | | William F. Harper '71 | Paul C. Hiley '64 | Howard T. Jacobs '81 |
| | | Robert L. Harrell | C. Earl Hill '60 | Mark Jacobs '73 |
| | | Albin W. Harris '75 | James A. Hill, MD '76 | Charles M. Jaffe '74 |
| | | Daniel B. Harris '55 | Thomas M. Hill '66 | Marc A. Jaffe '81 |
| | | Dorris M. Harris '51 | Terren M. Himelfarb '65 | Mahmood Jahromi |
| | | Roger C. Harris '68 | George O. Himmelwright, '53 | Joseph K. Jamaris '72 |
| | | Charles S. Harrison '65 | Howard C. Hines '77 | |

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Honor Roll

DEAN'S LIST, continued

Christopher F. James '77	Ramesh K. Khurana	Philip M. La Mastra '60	Norman Levin '47	Stanford H. Malinow '68
Herbert H. James '60	Erich Kim '73	Alan B. Lachman '62	Hilbert M. Levine '54	Alan R. Malouf '85
Walter E. James '55	Louis E. Kimmel, Jr. '55	Susan L. Laessig '80	Mark J. LeVine '72	G. S. Malouf, Jr. '79
Steven R. Jaskulsky '81	August D. King, Jr. '59	John A. Lampe '82	Stuart C. Levine '44	Jacob B. Mandel '41
Joseph D. Jenci, '73	C. Herschel King '56	E. W. Lampton, Jr. '71	Maurice Levinsky '28	Gordon L. Mandell '81
Jeffrey S. Jenkins '83	Daniel D. King '55	Peter P. Lamy	Barry E. Levy '76	Donald F. Manger '58
E. R. Jennings '46	Elizabeth M. Kingsley '78	Louis J. Lancaster '56	Donald T. Lewers '64	A. R. Mansberger '47
Caroline C. Johnson '79	David M. Kipnis '51	Dr. & Mrs. Barry K. Lance	Henry A. Lewis '70	Thomas E. Mansfield '73
Mary Jo Johnson '83	James E. Kirby '73	Susan M. Lancelotta '84	Jack C. Lewis '59	Joseph B. Marcus '66
R. H. Johnson, Jr. '58	Marvin M. Kirsh '59	William A. Landes '73	Richard Q. Lewis '43M	C. B. Marek, Jr. '70
B. Johnson-Bourland '65	William S. Kiser '53	Merric D. Landy '73	Thomas E. Lewis '49	William J. Marek '66
Everett D. Jones '42	S. A. Klatsky '62	Richard C. Lang '59	Thomas F. Lewis '50	John N. Margolis '80
Henry A. Jones, Jr. '53	Allen Kleiman '43D	Howard G. Lanham '74	Teresa H. Liao '86	James E. Mark '76
P. Dickson Jones '67	David S. Klein '80	Joseph G. Lanzi '56	John P. Light '61	Carol S. Marshall '81
Richard A. Jones '54	Joel B. Klein '81	George A. Lapes '67	S. D. Lindenbaum '78	William J. Marshall '58
Mary E. Jones-Lindsay '82	Frank M. Kline '52	Peter T. Lapinsky '80	D. V. Lindenstruth '64	Herbert A. Martello '60
Thomas E. Jordan '84	Richard B. Kline '72	Herbert W. Lapp '52	Eric E. Lindstrom '63	G. William Martin, Jr. '50
Arnold J. Jules '63	Edward S. Klohr, Jr. '54	David P. Largey '57	Mrs. Elizabeth Linhardt	Luis G. Martin
Kenneth A. Jurist '80	Irving Klompus '35	Mary Flack and Robert Lash	Raymond J. Lipin '36	Libero L. Marzella '74
Werner E. Kaese '53	George W. Knabe, Jr. '49	James P. Laster '57	Abraham A. Litt '68	Judith A. Maslar '77
Ronald L. Kahn '77	Frederick E. Knowles '68	C. V. Latimer, Jr. '43D	John B. Littleton '56	William T. Mason '66
Michael A. Kaliner '67	Max D. Koenigsberg '79	Gary M. Lattin '67	Philip Littman '68	Philip N. Massey '78
Murray A. Kalish '73	Jerome Koeppel '70	Carl P. Laughlin '56	William C. Livingood '40	J. C. Matchar '43M
Elisabeth E. Kandel '67	Schuyler G. Kohl '40	Arnold F. Lavenstein '39	Mrs. Georgia Lizas	John H. Mather
Albert V. Kanner '56	Paul A. Kohlhepp '62	Sidney Laverson	Frank E. Long '75	Susan H. Mather '65
Howard R. Kanner '70	Richard J. Kolker '70	Richard C. Lavy '60	Thomas W. Long '73	William A. Mathews '52
Mr. & Mrs. Leonard P. Kapcala	Laslo E. Kolta '74	Barry A. Lazarus '68	William B. Long, Jr. '37	Robert D. Mathieson '76
Murray M. Kappelman '55	James G. Konrad '67	Erta C. Leahy '42	Rebecca Love '82	Burton V. Matthews '48
Neil B. Kappelman '72	James A. Kopper '70	Reuben Leass '34	Timothy J. Low '79	Samuel O. Matz '81
James W. Karesh '79	Carole S. Kornreich '74	Benjamin Lee '53	Irving R. Lowitz '42	Stephen R. Matz '74
Bernard S. Karpers '62	Edward J. Kosnik '69	Mathew H. M. Lee '56	Ruth E. Luddy '64	Charles Mawhinney '54
Reynold M. Karr, Jr. '69	Roy A. Kortal '83	Michael M. Lee '67	John A. Luetkermeyer, Jr.	Richard F. Mayer
Frank T. Kasik, Jr. '50	Paul G. Koukoulas '59	Yu-Chen Lee	Mrs. John Lynn	M. E. McCahill '80
John A. Kastor	Edward J. Kowalewski	Jack Leibman '51	H. P. MacCubbin '40	David L. McCann '71
Mayer M. Katz '62	M. C. Kowalewski '75	Robert E. Leibowitz '66	Denis Wm. MacDonald '73	James F. McCarter '61
Ronald A. Katz '69	Douglas L. Kozlowski '78	Richard F. Leighton '55	Dorothy K. MacFarlane '76	C. W. McCluggage '69
Lester D. Katzel '69	Joel A. Krackow '66	William H. Leitch '39	E. S. Machado '79	Mary W. McComb
R. H. Kaufman '48	Thomas F. Krajewski '75	Daniel B. Lemen '45	Stephen Machiz '66	John R. McCormick '69
James T. Keegan '55	H. Coleman Kramer '56	Stephen K. Lemon '73	Colin F. Mackenzie	Bruce R. McCurdy '79
Dan F. Keeney '43D	Howard C. Kramer '51	Carole R. Lerman '82	Michael N. Macklin '78	Michael E. McCutcheon '69
Richard H. Keller '58	Irving Kramer '52	Philip H. Lerman '44	Philip A. Mackowiak '70	Michael K. McEvoy '83
Marian F. Kellner '80	John B. Kramer '71	Sheldon H. Lerman '77	Edmund J. MacLaughlin '75	A. Weems McFadden '53
J. Edward Kelly, Jr. '56	David L. Kreisberg '76	Louis W. Leskin '37	Kenneth G. Magee '63	Edgar V. McGinley '64
James M. Kelsh '58	Martin W. Krepp, Jr. '42	Walter C. Lesky '60	Gerald N. Maggid '56	John J. McGonigle '54
Gerald C. Kempthorne '61	Scheldon Kress '56	Bernard Leung '47	Robert Y. Maggin '80	John P. McGowan '55
Myron L. Kenler '33	John F. Kressler '70	Richard J. Leung '81	Eva Magiros '77	Mrs. Carolyn B. McGuire- Frenkil
Richard C. Keown '71	Frank K. Kriz, Jr. '58	Mrs. Virginia M. Levickas	Alice M. Magner-Condro '81	DeArmond J. McHenry '35
James P. Kerr, Jr. '39	Ronald L. Krome '61	Daniel M. Levin '58	Leonard T. Maholick '46	David B. McIntyre '55
Michael R. Kessler '80	Frank G. Kuehn '50	Gordon L. Levin '68	Carroll D. Mahoney '68	John M. McIntyre '67
Eugene F. Kester '67	J. Ward Kurad '60	Herbert J. Levin '54	Jerome J. Mahoney '61	Elmer S. McKay '59
Wesley J. Ketz '34	Dennis Kurgansky '86	Manuel Levin '34	M. Paul Mains '34	J. Nelson McKay '52
Ronald E. Keyser '60	Leonard Kurland '45	Michael L. Levin '63	Lani Smith Majer '76	
	Dennis J. Kutzer '75			

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Honor Roll

DEAN'S LIST, continued

James P. McKenna '80	Philip H. Moore '63	Paul A. Offit '77	Guillermo Pico-Santiago '40	John C. Rawlins '46
T. P. McLaughlin '80	Marguerite T. Moran	Marc Okun '81	Ross Z. Pierpont '40	G. E. Reahl, Jr. '56
John R. McLean '78	Thomas P. Moran '80	M. B. A. Oldstone '61	Carl Pigman '36	Jerome M. Reed '60
Elizabeth H. McNeal '40	C. Hunter Moricle '39	Francisco Oliveras '57	Walter J. Pijanowski '39	Julian W. Reed '52
Eugene R. McNinch, Jr. '68	Edward L. Morris '75	Louis O. Olsen '65	Samuel Pillar '39	Paul A. Reeder, Jr. '61
J. R. McNinch, Jr. '45	Leonard J. Morse '55	Barry E. L. Ominsky '66	William A. Pillsbury, Jr., '52	Bruce L. Regan '74
C. E. McWilliams '46	John C. Morton '60	Jorge R. Ordonez	Michael C. Pistole '77	Jerome P. Reichmister '64
Karl F. Mech, Jr. '68	W. H. Mosberg, Jr. '44	Eric M. Orenstein '80	J. Jay Platt '48	Milton Reisch '46
Roger Lee Mehl '61	Joseph D. Moser '72	Louis F. Ortenzio, Jr. '79	Marvin S. Platt '56	Margaret B. Rennels '73
John J. Meli '42	Benjamin B. Moses '36	John S. Orth '51	S. Michael Plaut	Marshall L. Rennels
H. E. Mendelsohn '68	Thomas Moshang Jr. '62	William W. Osborne '44	Gary D. Plotnick '66	William E. Rhea '59
Nestor H. Mendez '43M	Russell W. Moy '79	Arnold L. Oshinsky '75	Leslie P. Plotnick '70	Mark E. Richards '83
C. R. Mendez-Bryan '65	John G. Mueller '65	Edward B. Ostroff '67	Richard L. Plumb '56	Aubrey D. Richardson '51
Abbe D. Mendlowitz '82	Janet E. Mules '63	Theodore T. Otani	Arthur L. Poffenbarger '59	James P. Richardson '80
John J. Merendino '58	Paul A. Mullan '57	David I. Otto '80	Jeffrey E. Poiley '65	Paul F. Richardson '50
Glenn S. Merewitz '77	Paul E. Mullen, II '81	Nicholas A. Pace '59	Evangeline M. Poling '50	David R. Richmond '69
Wolfgang J. Mergner	Herbert L. Muncie	H. Padilla-Ramirez '63	George N. Polis '55	Lewis H. Richmond '58
Arnold B. Merin '76	James S. Murphy '70	Constantine J. Padussis, Jr. '73	Irvin P. Pollack '56	Christian F. Richter '41
Anthony L. Merlis '68	J. L. Murphy '87	Stephen K. Padussis '48	R. B. Pollard, Jr. '70	Conrad L. Richter '40
Jeffrey L. Metzner '75	David G. Musgjerd '62	William M. Palmer '56	Champe C. Pool '44	M. Riddlesberger '68
Stephen E. Metzner '74	Jeremy S. Musher '78	Andrew V. Panagos '82	Col. Lou A. Popejoy	Marilyn Righetti '81
B. Martin Middleton '53	P. David Myerowitz '70	Chris Papadopoulos	Thomas J. Porter '64	Michael Righetti '80
E. B. Middleton '49	Allen R. Myers '60	S. Malone Parham '45	Guy H. Posey '80	Milton R. Righetti '50
J. G. Middleton '78	Donald J. Myers '51	Arnold Zorel Paritzky '67	David B. Posner '70	David J. Riley '68
John W. Middleton '80	Philip Myers '37	Robert I. Park '84	Leonard Posner '40	Eugene J. Riley '44
James E. Might '53	Roy A. M. Myers	Charles E. Parker '58	Michael D. Potash '58	Robert A. Riley, Jr. '46
K. Mikesell-Hornbein '68	Robert Nadol '69	Steven H. Parker '82	Lance D. Potocki '81	Arthur M. Rinehart '43D
L. R. Miles, Jr. '53	Moses L. Nafzinger '54	Mark A. Parkhurst '79	Mr. William S. Potter, II	Donna L. Rinis '81
Thomas P. Miles '70	Jacob David Nagel '64	Jay N. Parran '70	Albert M. Powell '48	Edward Peyton Ritchings '42
Bruce L. Miller '68	Conrad E. Nagle '72	Wayne H. Parris '69	James S. Powell '81	Ernesto Rivera '66
Carole Cassidy Miller	Herbert H. Nasdor '57	Frank S. Parrott '43M	Gary C. Prada '78	Steven P. Rivers '75
Edward M. Miller '75	Jerome D. Nataro '46	David H. Patten '54	Michael F. Pratt '80	Malcolm L. Robbins '52
George H. Miller '53	Hunter S. Neal '50	Craig H. Paul '80	Neal J. Prendergast '63	James A. Roberts '46
Joel B. Miller '74	Alfred Nelson '43D	L. J. Pazourek '61	Jay G. Prenskey '78	Robert R. R. Roberts '54
John E. Miller	Kathryn M. Neuman-	Thompson Percy '41	C. Downey Price '66	Kenneth L. Robertson '72
John P. Miller, III '77	Rudo '81	Murray D. Pearlman '76	Edward J. Prosic '70	Roger J. Robertson '80
Louis W. Miller '67	Francis Neumayer '49	Frederick N. Pearson '69	Phyllis K. Pullen '62	Ruth A. Robin '78
William S. Miller '39	David M. Nichols, Jr. '64	Richard H. Pembroke, Jr. '36	Marcos J. Pupkin	Milton I. Robinson '35
Scott A. Milsteen '86	George K. Nichols '79	Mario L. Penafiel	James A. Quinlan '66	Neil A. Robinson '60
Joel S. Mindel '64	Pomeroy Nichols Jr. '46	Salvadore D. Pentecost '36	Jose D. Quinones '64	Robert E. Roby '75
Robert V. Minervini '43M	Margaret M. Nichols-	A. Perez-Santiago '58	Col. Dudley Allen Raine, Jr. '66	Donald M. Rocklin '71
Stuart E. Mirvis	Gallahe '83	Enrique Perez-Santiago '43M	Morris Rainess '54	C. Burns Roehrig '49
Edward B. Mishner '77	Julio T. Noguera '50	Stuart A. Perkal '63	Michael R. Ramundo '44	Clinton L. Rogers '60
Harvey S. Mishner '78	James J. Nolan '41	Edward L. Perl '74	William E. Randall, Jr. '72	Elizabeth Rogers
Gregory A. Mitchell '72	Jerrold Normanly '60	Daniel M. Perlman '82	E. Burl Randolph '44	John F. Rogers '67
John A. Mitchell '46	Donald E. Novicki '67	Lawrence Perlman '37	Jonas R. Rappeport '52	Paul T. Rogers '71
Alan H. Mitnick '67	James B. Nuttall '39	Joshua M. Perman '41	William Rappoport '57	Wm. B. Rogers '43D
Thomas L. Moffatt '75	Jean M. C. O'Connor '54	Benton B. Perry '52	George C. Rasch '47	Ramon F. Roig, Jr. '59
Jose G. Molinari '41	John M. O'Day '72	Henry D. Perry, Jr. '51	Joan Raskin '55	Harry F. Rolfes '44
Allan J. Monfried '66	James S. O'Hare '46	Robert E. Perry '82	Peter Rasmussen	Marvin J. Rombro '51
Russell R. Monroe '84	Thomas R. O'Rourke, Jr. '62	James L. Pertsch '81	David Rasmussen-Taxdal '52	Peter E. Rork '79
Ernest E. Moore '58	W. Bruce Obenshain '76	Preston H. Peterson '43M	Cliff Ratliff, Jr. '43D	
Parry A. Moore '75	Fortune Odendhal '60			

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DEAN'S LIST: continued

John W. Rose '75
David L. Rosen '61
Howard R. Rosen '67
Sol Rosen '35
Barry N. Rosenbaum '64
Stephen D. Rosenbaum '68
Bruce Rosenberg '79
Harold W. Rosenberg '35
Jonas S. Rosenberg '41
Stephen Rosenthal '32
Victor Rosenthal '36
Douglas D. Ross
Harry P. Ross '56
Jerome Ross '60
Ronald J. Ross, Jr. '78
Susan Kosnik Ross '74
William D. Rosson '52
O. Ralph Roth '50
Mitchell H. Rothenberg '86
Michael I. Rothman
Carl E. Rothschild '40
John A. Routenberg '67
John R. Rowell '67
Garry D. Ruben '77
Howard J. Rubenstein '59
Albert I. Rubenstone '44
Allan I. Rubin '69
Seymour H. Rubin '50
R. L. Rudolph, II '80
William G. Rudolph '83
William F. Ruppel '76
Donald J. Russ '73
Philip J. Russillo '40
C. Edmund Rybczynski '59
Armando Saavedra '51
Alan J. Sacks '80
John H. Sadler
Howard I. Saiontz '73
Jerry Salan '60
Sandra Z. Salan '66
Eugene P. Salvati '47
Charles S. Samorodin '68
Irving L. Samuels '43M
William C. Sanchez
William G. Sanford '48
Charles Sanislow '56
Carmelo A. Saraceno '73
Aram M. Sarajian '38
Albert B. Sarewitz '49
Richard M. Sarles '61
Robert F. Sarlin '70
Robert P. Sarni '60
Michael I. Sarnoff

Robert B. Sasscer '41
S. L. Sattenspiel '65
Brian S. Saunders '69
Jeannine L. Saunders '83
John E. Savage '32
Albert M. Sax '55
Daniel S. Sax '59
Gerald N. Schaffer '71
John E. Schanberger '55
Joseph E. Schenthal '39
Peter L. Schildhause '73
Richard F. Schillaci '61
Louis L. Schimmel '77
Bella F. Schimmel '52
Stephen C. Schimpff
A. H. Schmale, Jr. '51
Leroy M. Schmidt '84
George C. Schmieler '62
Nathan Schnaper '49
Maurice H. Schneiman '33
J. Michael Schnell '74
W. F. Schnitzker '47
Mary L. Scholl '42
Pearl T. H. Scholz '41
W. Winslow Schrank '69
R. David Schreiber '49
J. A. Schuldenfrei '79
Herbert J. Schulten '70
Michael J. Schultz '71
Donna L. Schuster
David S. Schwartz '66
James P. Scibilia '83
Eric W. Scott '83
Ronald A. Seff '73
Alan J. Segal '69
Albert and Alice Sehlstedt
Michael Selmanoff
Howard A. Semer '62
Luette S. Semmes '84
William J. Senter '42
Arthur A. Serpick '59
James A. Sewell '46
John C. Sewell '67
John W. Shaffer '69
Edward P. Shannon '41
Nathaniel Sharp '43M
Robert E. Sharrock '71
Roy O. Shaub '56
John H. Shaw '47
John M. Shaw '68
S. Shawver-Matthews '78
William H. Shea '51
David S. Shear '73

James H. Shell, Jr. '45
Perry S. Shelton '64
Henry T. Shenfield '72
Ronald F. Sher '73
Elizabeth B. Sherman '26
Michael L. Sherman '67
Richard H. Sherman '72
Virginia T. Sherr '56
E. L. Sherrer
Frank M. Shipley '43D
Robert G. Shirey '55
David M. Shobin '69
Earl S. Shope '65
Louis A. Shpritz '70
Richard G. Shugarman '64
Richard D. Shuger '66
Joseph E. Shuman '53
John A. Shutta '82
Ethel A. B. Siegal '68
Howard L. Siegel '81
Sanford J. Siegel '78
Marc H. Siegelbaum '82
R. Sierra-Zorita '79
John W. Sigler '43M
Bernice Sigman '60
Gary H. Silber '81
Charles Silberstein '58
David N. Sills, Jr. '46
Bruce A. Silver '76
Richard B. Silver '77
Michael A. Silverman '70
Frederic R. Simmons '50
Gary L. Simon '75
Lee S. Simon '76
Marshall A. Simpson '54
Michael J. Sindler '72
Richard A. Sindler '52
W. A. Sinton, Jr. '56
Donald J. Siple '66
Barbara W. Siskind '73
Panayiotis L. Sitaras '71
R. Kennedy Skipton '51
K. F. Skitarelic '69
W. H. Slasman, Jr. '53
Paul V. Slater '56
Kurt P. Sligar '66
Michael A. Sloan
Charles P. Smith '60
Dennis M. Smith '77
Francisco A. Smith '78
George I. Smith, Jr. '60
Michael J. Smith '79
Morton E. Smith '60

*"Never be apologetic for asking
someone to give to a worthy project,
any more than you would in giving
him an opportunity to participate
in a high-grade investment."*

John D. Rockefeller, Jr.

Robert L. Smith '77
Samuel Smith '81
Stedman W. Smith
Roy T. Smoot, Jr. '80
Victoria W. Smoot '80
William I. Smulyan '69
Dennis F. Smyth '71
J. Walter Smyth '54
Milton S. Sniadach, Jr. '83
David M. Snyder '67
Diehl M. Snyder '77
Larry A. Snyder '65
Stanley N. Snyder '59
Baltimore City Medical
Society
Harford County Medical
Society
Wicomico County
Medical Society
Robert A. Sofferman '67
Carmela A. Sofia '84
Alexis B. Sokil '78
Jeffrey S. Sollins '74
H. Hershey Sollod '72
Mitchell C. Sollod '63
David A. Solomon '69
James H. Somerville '75
Sally E. Sondergaard '80
Thomas M. Sonn '61
Irvin M. Sopher '66
Gregory J. Sophocleus '62
George A. Sowell '56
Alfred D. Sparks '83
Gershon J. Spector '64
James W. Spence '66
K. F. Spence, Jr. '57

Herbert Spiegel '39
James D. Spiegel '83
Stuart H. Spielman '68
Emanuel Sprei '38
Judith Sprei
Phillip G. Staggars '55
Jessie D. Stahl '74
Clinton W. Stallard '46
Alvin A. Stambler '52
Ronald J. Stanfield '70
Manuel Stapen '37
Milton H. Stapen '36
Jay C. Starling '76
Henry H. Startzman '50
Arthur J. Statman '32
Bernhardt J. Statman '37
Martha E. Stauffer '60
A. F. A. Stedem, Jr. '45
Marshall K. Steele, III, '71
John E. Steers '66
William J. Steger '39
Stanley R. Steinbach '45
David J. Steinbauer '66
Alan Z. Steinberg '70
Janee D. Steinberg '71
Louis E. Steinberg '65
Stanley H. Steinberg '44
Albert Steiner '37
O. P. Steinwald Jr. '62
William H. Stenstrom '47
John R. Stephens '67
R. R. Stephenson '62
Harold Sterling '43D
Kenneth B. Stern '67
Morris H. Stern '36
Continued on the next page



Honor Roll

DEAN'S LIST, continued

Charles E. Stewart '73
Donald W. Stewart '55
Edwin H. Stewart '43M
Michael B. Stewart '75
Ira M. Stone '73
James J. Stovin '56
John R. Stram '60
Robert A. Stram '66
Clyde A. Strang '77
Leon Strauss '82
George T. Strickland
David Strobel '77
Beverly J. Stump '59
Stephen A. Stuppler '68
Glenn O. Summerlin '43D
Winston L. Summerlin '45
Henry W. Sundermier '80
Murray Suskin '81
Granger G. Sutton '58
Beresford M. Swan '66
Doris L. Swauger '77
Ronald J. Sweren '76
John T. Symons '79
Harry Tabor '65
Ben Tacheron '84
George A. Taler '75
R. C. Talucci, II '77
Louis Haberer Tankin '40
Eric S. Tannenbaum '80
David Tapper '70
Sharon R. Tapper '84
Ellen L. Taylor '78
Norman W. Taylor '70
Ronald J. Taylor '73
James H. Teeter '54
T. S. Templeton, II '73
William P. Templeton '53
Michael S. Tenner '60
The Pediatric Center
F. Theuerkauf, Jr. '48
Robert T. Thibadeau '50
A. Hunter Thompson '82
Mrs. Helene W. Thompson
Jean D. Thompson
Kerry J. Thompson '71
L. Bradford Thompson '44
Raymond Kief
Thompson '41
Winfield L. Thompson '38
J. Tyson Tildon
Larry G. Tilley '61
R. M. Tilley, Jr. '49
Richard F. Timmons '76

David D. Tinker '77
Dean S. Tippet '86
Joseph R. Tiralla '76
Lorne G. Tompkins '78
Bate C. Toms, Jr. '50
Thomas J. Toner, Jr. '72
Jose M. Torres-Gomez '43M
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Francis J. Townsend '42
Timothy C. Trageser '84
H. Roger Trapnell '54
Henry L. Trattler '66
Arthur W. Traum '62
Frank J. Travisano '63
Ronald E. Trescot
Allan E. Trevaskis '45
William Trevor '40
Phuong D. Trinh '80
Benjamin F. Trump
Elizabeth L. Tso '79
Ira N. Tublin '54
Jonathan D. Tuerk '64
Paul A. Turner '80
Homer L. Twigg, Jr. '51
James H. Tyer '58
Michelle D. Uhl '77
Kenneth C. Ullman '69
Ralph E. Updike '62
Albert L. Upton '50
John P. Urlock, Jr. '39
Jose G. Valderas '47
Jon M. Valigorsky '68
Victoria A. Vanik '83
Dharma Luz Vargas '43D
Robert J. Varipapa '82
Peter D. Vash '72
Robert A. Vegors '75
Robert J. Venrose '51
Peter J. Verdin, Jr. '81
Enrique Vicens '50
Rolando G. Vieta '74
Alexander L. Vigh '72
Steven A. Vogel '74
Thomas B. Volatile '79
Charles B. Volcjak '60
Edward E. Volcjak '68
Frederick J. Vollmer '38
Varah Vorasubin
Barry Rosen and Nancy
Vranken
Allan J. Wagman '73
Jerald P. Waldman '72
Gregory L. Walker '78

James H. Walker '41
George Wall '54
Haven N. Wall, Jr. '69
John W. Wallace '60
Joseph Wallace '42
Robert C. Waltz '47
Brian W. Wamsley '81
Ann Marie Ward '55
William T. Ward '58
Larry J. Warner '67
Bryan P. Warren, Jr. '52
John Windiate Warren
William A. Warren '70
H. Leonard Warren '38
Arthur M. Warwick '70
Charles B. Watson '73
David L. Waxman '82
Gary J. Waxman '75
Dewitt L. Weatherly '63
Karl H. Weaver '53
Harry S. Weeks '53
Howard N. Weeks '52
George J. Weems '37
William B. Weglicki, Jr. '62
Michael E. Weinblatt '75
Israel H. Weiner '53
Robert H. Weinfeld '71
Howard J. Weinstein '72
Matthew Ryan Weir
W. R. Weisburger '74
Richard M. Weisman '73
Henry W. Weiss '37
Gibson J. Wells '36
John B. Wells '41
James J. Welsh '68
Dennis Wentz
Bennett E. Werner '77
Edward C. Werner '63
David W. West '84
Allan M. Wexler '67
H. P. Wheelwright '51
Philip Joseph Whelan '65
Randolph G. Whipps '78
Fowler F. White '50
Kenneth H. White, Jr. '54
Robert I. White '70
Edwin W. Whiteford, Jr. '56
Clark Whitehorn '48
Leland D. Whitelock '61
Victoria P. Whitelock '65
John L. Whitlock '73
Mr. & Mrs. Bernard
Whitman

Thomas V. Whitten '72
F. Dixon Whitworth '37
Michael F. Whitworth '68
J. Carlton Wich '43M
David A. Wike '69
Edward F. Wilgis '62
Hans R. Wilhelmsen '59
Kenneth W. Wilkins '44
Susan M. Willard '76
Herman Williams '40
John Z. Williams '56
Robert T. Williams '68
William M. Williams '68
Eugene Willis, Jr. '68
Sol Wilner '39
Clifford E. Wilson '50
John D. Wilson '48
Joseph R. Wilson '63
Pamela A. Wilson '76
Ray A. Wilson '57
Stuart Winakur '68
Thomas W. Wingfield '65
O. P. Winslow, Jr. '45
Brian J. Winter '72
Robert E. Wise '43M
P. Laverson-Wittgrove '79
Aron Wolf '63
Monford A. Wolf '88
Irving D. Wolfe '68
Richard L. Wolfe '58
Walter M. Wolfe '46
Donald A. Wolfel '52
Alan H. Wolff '84
Barry M. Wolk '72
Frances Q. Wong '73
Everet H. Wood '35
Jack H. Woodrow '37
Arthur F. Woodward '45
Celeste L. Woodward '72
Theodore E. Woodward '38
C. T. Woolsey, Jr. '71
Stanley N. Yaffe '44
Ronald Wm. Yakaitis '67
Charles S. Yavelow '36
George H. Yeager '29
W. H. Yeager, Jr. '50
Robert E. Yim '54
Edward J. Young '68
Erik B. Young '79
John D. Young, Jr. '41
Marston A. Young '64
Robert H. Young, Jr. '59
Robert R. Young '66

Herbert L. Yousem '55
S. A. Yousem '81
Stuart H. Yuspa '66
S. M. Zaborowski '70
Christopher J. Zajac '84
Andrew A. Zalewski '66
Theodore Zanker '60
Dr. & Mrs. G. F. Zarbin
Kristen A. Zarfes '79
Allen C. Zechoway '74
Norman L. Zeller '70
E. Andrew Zepp '42
Philip D. Zieve '58
James G. Zimmerly '66
Laurie T. Zimmerman '81
Loy M. Zimmerman '42
Stuart A. Zipper '77
Leonard M. Zullo '57



FRIENDS (\$1 - 99)

Sherry L. Abboud '76
B. Abdo
Hatem S. Abdo
A. F. Abdullah
Diane L. K. Acker '66
Charles P. Adamo '74
I. Adamo
Ruth M. Adams
Barry R. Adels '63
F. R. Adolfo
Ali J. Afrookteh '83
Emil E. Aftandilian '57
Eligio Aguhob '92
Yared Aklilu '91
Samuel R. Akman '86
Samuel M. M. Al-Aish '90
Christopher M. Aland '82
Aurora F. Alberti '41
Karen and Blair Alban
V. E. Albites
J. M. Albornoz
Dr. & Mrs. H. Alencherry
A. C. Alevizatos '60
Fred Alexander '41

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Honor Roll

R. Alfonso	William E. Becker '79	Dr. & Mrs. M. Buchness	Francis I. Codd '46	M. L. DelRosario
M. B. Alizadeh	Melba J. Beine '86	John T. Bulkeley '57	Agnes O. Coffay '85	Nicholas Demmy '50
Dr. & Mrs. T. Alizadeh	L. R. Belizan	Nancy and Jane Burger	Harry F. Coffman '42	Gregory A. Denari '73
Allegany County Medical Society	G. M. Belloso	Margaret O. Burke '85	Barry M. Cohen '64	A. N. Dennis
Samuel B. Allison '68	M. A. Benham	Harold A. Burnham '66	Hilliard Cohen '38	Patrick J. Dennis '82
B. Alonso	John J. Bennett '60	Harold H. Burns '36	Solomon Cohen '51	Dr. & Mrs. C. Denny
R. C. Alonzo	Marilyn H. Bennett '79	Eugene M. Busch '63	R. E. Collazo Camunas	Ernest A. Dettbarn '51
Marilyn F. Althoff '86	Barry B. Bercu '69	Bruce M. Bushwick '82	Donald J. Cole	Thomas Devlin '72
James P. Amerena '85	Mrs. Joan Berger	Amy J. Byer '78	Jerome J. Collier '50	James A. Dicke '86
Lisa D. Amir '88	Gregory Kent Bergey	P. A. Calilhanna	Cassandra J. Collier	Anne M. Dietrich '87
Sheldon Amsel	Sanders H. Berk '69	A. H. Calon	Beverly A. Collins '83	Albert Digerolamo
Isadore G. Ances '59	Rudolph Berke '30	C. D. Camacho	Craig E. Collins '83	A. J. DiGiovanni '52
Melvin Anchell '44	Merrill I. Berman '62	Dr. & Mrs. C. T. Camacho	David D. Collins '76	Mr. & Mrs. Richard A. Dipert
William A. Andersen '50	Milton Bernstein '36	Oscar B. Camp '45	James F. Connor	Patricia Dodd '44
Stephen Ralph Andrews '40	Mary P. Beusch '79	A. Canlas	Paul F. Connor	Karin M. Dodge '90
Anne Arundel County Medical Society	P. Beusch	M. Canlas	John J. Conroy '64	Steven H. Dolinsky '73
Carolyn M. Apple '90	Otto C. Beyer '55	Neil F. Cannon '72	Thomas W. Conway '82	Jose E. Dominquez '88
Dr. & Mrs. H. A. Arfaa	C. Bhushan	Stephen M. Capon '82	David M. Cook '66	William F. Doran '54
Dr. & Mrs. K. Ashker	James H. Biddison '72	Dr. & Mrs. V. Carag	J. William Cook, IV '89	Dorchester County Medical Society
Mrs. Lorraine Ashker	Adam Billet '78	Nicholas M. Cardiges '90	William P. Cook, IV '90	W. Douglas
Fred C. Ashman '75	Lynn M. Billingsley '74	Nate Carliver	Herbert B. Copeland '44	John R. Downs '84
P. Miller Ashman '64	Jay L. Bisgyer '50	Dr. & Mrs. R. Carpentieri	Jennifer P. Corder '90	Laurence Austin Doyle '78
Dr. & Mrs. J. Ashwal	Mrs. Bessie Blair	Charles E. Carr '44	Larry I. Corman '71	Dr. & Mrs. T. Ducker
James K. Aton '58	Michael D. Blanchard '81	Thomas P. Carr '88	Paul H. Correll '40	Christopher Due '85
Michael Lynn Ault '91	Kenneth A. Blank '82	John E. Carroll '52	Joseph J. Costa '90	Michael O. Duhaney '89
George N. Austin	Lauren L. Bogue '86	Wayne E. Cascio '80	Robert J. P. Costleigh '66	Matthew R. Dukehart '88
R. N. Azer	Mark E. Bohlman '76	C. M. Castillo	Joseph Robert Cowen '50	John D. Dumler '53
Nick H. Baccala	Robert B. Bokar '62	M. A. Castro	Lloyd G. Cox, II '81	William S. Dunford, Jr. '52
Mrs. Margaret Bacon	Anthony J. Bollino '71	Stuart Alan Chalew '77	Henry S. Crist '66	Harold A. Dunsford '69
Dr. & Mrs. D. Badie	Elliott S. H. Bondi '71	Dr. & Mrs. J. Chambers	Margaret G. and James R. Crook, Jr.	Gordon H. Earles '67
Dr. & Mrs. J. Badros	Jonathan D. Book '75	T. Chanchien	Daniel L. Croteau '89	E. Ebert
R. Bae	W. Boonn	K. L. Chandrasekhara	Omar D. Crothers, III '70	E. Edery
John Cletus Baier '40	D. G. Booth	Charles R. Chaney '71	Catherine Crute '80	Mrs. Eva M. Edmonds
A. Baig	Douglas F. Bowman, Jr. '78	Lucy Chang '86	Dr. & Mrs. G. Cruz	Larry M. Einbinder '78
J. Fred Baker '62	J. M. Boyd	Edwin N. Chapman	A. M. Cuevas	Margaret A. Einstein
L. Bradley Baker '64	Eugene E. Bracken	Charles County Medical Society	Albert Dabbah '87	R. M. Eisdorfer
Timothy D. Baker '52	L. Braterman	Dr. & Mrs. M. R. Chaudhry	Miriam S. Daly '50	Rona B. Eisen '77
Baltimore County Medical Society	Richard E. Braun '79	L. Guy Chelton '50	Alfred H. Dann '43D	A. A. B. El Said
Roy E. Bands, Jr. '84	R. Breitenacker	Andre Chen '92	Dr. & Mrs. J. E. Danneberger	Harold Wm. Eliason '27
Dr. & Mrs. K. Barakat	William K. Brendle '45	Joel M. Cherry '68	Dr. & Mrs. P. Danziger	Stephen Mark Elksnis '88
Wayne L. Barber '82	Caryn M. Brenner-Williams '89	T. T. Chieu	John C. Darrell '82	Morton J. Ellin '54
John Wm. Barnard '49	Dr. & Mrs. R. Brimhall	Carlos M. Chiques '41	John J. Darrell '55	Dr. & Mrs. R. Ellis
Elizabeth Barnet	Sherman S. Brinton '43M	S. Chiu	Peter E. Darwin '90	Robert H. Ellis '54
Robert B. Baron '66	Harry J. Brown '65	Y. Cho	William B. Davidson '72	John A. Engers '55
Dr. & Mrs. R. Barthel	James MacKay Brown '43D	Nicholas D. Christhilf	Dr. & Mrs. L. T. Davis	Harry H. Epstein '25
Linda S. Bartram '75	Karen Elizabeth Brown '91	Thomas C. Cimonetti '65	Margaret R. Davis	Candace J. Erickson '73
George Bauernschub '54	William G. Brown '76	Rosamond Cinstein	Dr. & Mrs. B. De Guzman	Timothy H. Eskridge '74
Richard A. Baum '68	William G. Bruce '65	Charles R. Clark '73	J.V. DeBorja	Joyce Evans '83
Edmund G. Beacham '40	Robert Brull '68	John B. Classen '88	Leonard L. Deitz '50	Patricia R. Falcao '75
Mrs. Louise Beachley	Elizabeth McCauly Brumback, '48	Dr. & Mrs. Marco Clayton	Dr. & Mrs. D. Delaportas	
	A. M. Bryan	Daniel Clyman '52	B. V. DelCarmen	
		James A. Cockey '79		

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Honor Roll

FRIENDS (\$1 - \$99)

Dr. & Mrs. D. O. Fallon	Alan R. Gaby '79	S. H. Gray	Dena R. Hixon '80	Curtis A. Johnston '77
Judith Falloon '80	Samuel D. Gaby '46	Dr. & Mrs. P. Graze	Ben Tsun-Lin Ho '71	Barry Josephs '78
W. F. Falls, Jr. '59	C. Gakuba	Mrs. Lauretta T. Graziano	Florence K. Hoback '48	Ms. Gayle Juedes
M. J. Farha	Larry I. Galblum '79	William R. Greco '52	R. L. Hobart, Jr. '48	Robert & Nan Kaestner
John A. Farley	Mr. & Mrs. G. Galifianakis	M. A. Green	C.F. Hobelmann	Paul F. Kaminski '63
Gerald B. Feldman '68	Mrs. Sara Gallaher	Robert W. Greene '83	Charles F. Hobelmann '44	Dr. & Mrs. P. Kang
Susan and Arthur Feldman	C. Barton Galloway '55	George H. Greenstein '50	C. F. Hobelmann, Jr. '71	T.P. Kannarkat
V. R. Felipa	L. S. Galvez	Robert C. Greenwell, Jr. '85	Dr. & Mrs. R. Hochman	Irvin B. Kaplan '54
Mr. & Mrs. Richard B. Fellows	R. Blair Garber '76	Ralph Gregg '87	Craig D. Hochstein '86	Isadore Kaplan '37
Frederick S. Felser '62	G. Gasemy	Lee E. Gresser '64	William L. Holder '53	Jay N. Karpa '58
Kevin S. Ferentz	Edsel Gayoso '92	John J. Griffin, Jr. '76	Susan J. Holland '85	Robert S. Katz '70
R. O. Ferrer	David K. Geddes '47	S. Grigorian	Charles M. Holmes '52	Paul L. Katzenstein '83
Edward P. Fetsch	Dr. Gehris	Dr. & Mrs. R. Guedent	Edward S. Holt '82	Felix L. Kaufman '69
Mary Jane Fetsch	Grace K. Gellerly '80	G. Araiza Guevara	William S. Hood '73	Matthew L. Kaufman '64
James F. Fiastro '80	Joseph J. Genovese '82	A. Guido-Silver '49	Thomas R. Hornick '83	Bruce A. Kaup '82
Mrs. Augusto Figueroa	Stephen Wayne George '86	Richard M. Haber '84	Howard County Medical Society	Mr. & Mrs. K. C. Kearney
Dr. & Mrs. G. Figueroa	David A. Gershenson '32	Ann S. Hagen '89	Howard County Woman's Club	Dr. & Mrs. N. Keats
Mrs. Josephine Figueroa	John M. Gerwig, Jr. '54	J. Philip Hall '82	C.C. Hsu	Joseph S. Keelty
Alfred A. Filar '58	Frederick M. Gessner '85	Carolyn A. Hammett '88	Abby I. Huang '86	Phillip H. Keiser '86
Eric M. Fine '67	Paul F. Giannandrea '79	A. S. Hammond, III '86	S.V. Huffer	Michael L. Keller '35
Adam Howard Fischler '87	Warren Gibbs '82	Daniel O. Hammond '45	Leroy J. Huffman '74	J. Kelly
Sarah M. Fisher '85	Charles F. Gilliam '52	Morton L. Hammond '42	Michael E. Hull '79	Patricia E. Kelly '87
Michael Patrick Flanagan '87	Mrs. Helen Gilmer	John C. Hamrick '35	Sean E. Hunt '85	Thomas E. Kelly '86
Stephen B. Fleishman '74	George T. Gilmore '55	Sangwoon Han '86	Dewitt T. Hunter, Jr. '52	Thomas B. Kelso, M.D. '91
Kenneth E. Fligsten '68	Dorothea S. Gilpin	Anne B. Hancock	Laurel V. M. Hunter '52	Janet L. Kennedy '78
A.B. Flores	Harry S. Gimbel '36	Mrs. Jean W. Hancock	Arif Hussain	William B. Kerns '84
C. Vela Flores	Robert J. Ginsberg '80	A. Stephen Hansman '79	Albert Hybl	Dr. & Mrs. K. Keys
Dino E. Flores	Solomon E. Gittleman '32	N. L. Hardy	Joyce A. Hyman	Dr. & Mrs. R. Kho
Michael J. Foley '52	R. V. Goco	Gary F. Harne '75	Nathan B. Hyman '46	Michael Kilham '70
Christopher Stuart Formal, '79	Barry S. Gold '74	John S. Harshey '58	M. J. Ichniowski '78	C.Y. Kim
Leighton H. Forrester '89	Robert L. Gold '78	D. Burke Haskins '74	Cheryl Bernadette Iglesia, '91	Dr. & Mrs. D. Kim
Giraud V. Foster '56	Samuel C. Gold '81	Thomas B. Haywood '79		Dr. & Mrs. S. W. Kim
Donna L. Frankel '77	Julian R. Goldberg '55	Dr. & Mrs. M. Haziq		Mrs. Jean Kim
Heidi L. Frankel '87	Neil M. Goldberg '58	Gregg L. Heacock '88		K. C. Kim
D. Frann	Raymond Goldberg '43M	Dr. & Mrs. J.O. Hearn		S. W. Kim
Carmen A. Fratto '62	Marcia P. Goldmark '80	Calvin B. Hearne '47		Alan L. Kimmel '79
Frederick County Medical Society	David A. Goldscher '73	Lee J. Helman '80		Joanne L. Kinney '85
Martin I. Freed '67	Ralph S. Goldsmith '54	Hyman B. Hendler '32		John C. & Dorothy H. Kirk
H. L. Friedlander '58	Barrett Goldstein '58	Mrs. Margaret G. Henning		Maurice F. Klawans '27
Cathy Ann Friedman '80	Marvin N. Goldstein '64	L. G. Herbst		Mark S. Klein '74
Howard Ronald Friedman, M.D. '68	A. Gomez	H.T.O. Herlihy		Irvin P. Klemkowski '37
Scott D. Friedman '79	R. B. Gonzaga	T. Hernandez		Thomas F. Kline '70
George H. Friskey '55	R. L. Gonzalez	Paul Garmer Herold '44		George M. Knefely, Jr. '68
Kelly Lynne Fritz '91	William L. Gonzalez '74	Dr. Heroy		Joseph A. Knell '52
Louis A. Fritz '52	Mrs. Myrna Goodman	Robert W. Hertzog '67		Harry L. Knipp '51
Elizabeth A. Fronc '81	Dr. & Mrs. S. Goodman	Douglas B. Hess '68		E. J. Koenigsberg '62
Jose R. Fuertes '42	Albert M. Gordon '64	P. W. Heuman		Dr. & Mrs. M. L. Kolkin
Joseph C. Furnary '42	Benjamin D. Gordon '51	Meyer Reuben Heyman '70		Jay K. Kolls '85
C. Francis Furst	Randolph B. Gorman '89	Ivanhoe B. Higgins, Jr. '71		K. Kolton
Mary L. Furth '57	Michael L. Gosey '86	Dr. & Mrs. W. Hijab		W. W. & Mary Kosicki
	Gary S. Goshorn '55	Donald & Claire Hillary		Carol L. Koski '68
	Michael D. Gotts '78	Todd H. Hillman '84		
	Dr. & Mrs. C. J. Gou	Dr. & Mrs. G. Hirsch		

Continued on next page



Honor Roll

- Kenneth W. Kotz '88
 N. W. Koutrelakos '84
 Anita M. Sanders & Joanne S. Kovacs
 Bernard F. Kozlovsky '79
 John M. Krager '52
 Barnett Kramer '73
 Celia A. Kramer '74
 Marc S. Kramer '75
 Alan B. Kravitz '83
 Abraham Kremen '30
 Dr. & Mrs. D. W. Kress
 Mark E. Krugman '64
 Karen L. Ksiazek '89
 Albin O. Kuhn, II '76
 Henry H. Kwah
 P. Kwunyeun
 Betty A. Kyser '87
 Vinod Lakhanpal
 Joseph R. Lakowicz
 Mark C. Lakshmanan '81
 H. James Lambert, Jr. '44
 Robert G. Lancaster '55
 Dr. & Mrs. R. Lapidario
 Members at Large
 Steve Laverson '83
 Norman W. Lavy '55
 Sol M. Lazow '27
 C. D. Lee, Jr. '64
 Dr. & Mrs. J. T. Lee
 J. S. Lee
 Yung M. Lee
 A. T. Leffler
 Mrs. Melissa A. Leffler
 Ronald M. Legum '68
 Herbert Leighton '53
 Brad D. Lerner '84
 Dr. & Mrs. W. Lesch
 Franklin E. Leslie '41
 Hubert Leveque
 Mr. & Mrs. Tilghman
 Levering
 Alan J. Levin '78
 Mr. & Mrs. Harry Levin
 Harvey Levin
 Howard S. Levin '58
 Randy Levin '81
 Rhona L. Levin
 Robert A. Levin '79
 Arnold I. Levinson '69
 Gary M. Levinson '73
 Leonard J. Levinson '37
 Susan M. Levy-Strohm '79
- Mrs. Ella Lewis
 S. L. Lewis
 Anne Ling Li '86
 Michael S. Lifson '86
 Paul D. Light '72
 Charles H. Lightbody '52
 C.H. Lin
 C.C. Linantud
 Dr. & Mrs. R. Lindado
 J. A. Linder '89
 C. J. Lindgren '63
 M. E. Linsay
 Marilyn N. Ling '88
 G. E. Linhardt, Jr. '78
 G. Linsao
 W. R. Linthicum '71
 Joseph F. Lipira '47
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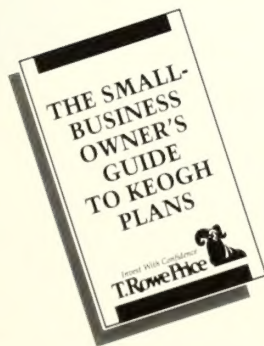
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Class Notes

1925

Joseph Nataro moved to the "Waldorf-Astoria of retirement homes" in Pompano Beach, FL last June and is happily settling in there. His long career of exemplary medical care included many volunteer and service-oriented activities, as well as helping his younger brother and three sons through the School of Medicine. His grandson, **James '86**, is currently on the faculty and we are waiting for the fourth generation—Jim's daughter—to apply to make four generations of Nataro family graduates. We hope that Dr. Nataro will still come to see us at Reunion each spring and visit his classmate and long-time friend in Baltimore, **Samuel Shipley Glick**. Dr. Glick is still going strong. He continues to attend Pediatric Grand Rounds at University Hospital and periodically shares his unique and delightful good humor and insights with the alumni staff.

1932

Meyer W. Jacobson of Baltimore retired from internal medicine in 1987 and lives quietly with his cat Chi-Chi.

1935

Milton H. Adelman of Scarsdale, NY is a clinical pro-

fessor of anesthesiology at the New York University Medical Center and writes that he is happy, healthy and quite active.

1938



Theodore E. Woodward of Baltimore, professor emeritus of medicine, received an

honorary Doctor of Science degree at the commencement exercises of the Hahnemann University School of Medicine and Graduate School in Philadelphia.

1940

Samuel V. Tompakov of Baltimore, MD has been widowed since 1988, retired since October and is in good health.

1943M

David B. Gray of Charleston, WV retired from surgical oncology in November 1991.

1943D

William E. McGrath of Catonsville, MD celebrated his 50th class reunion last spring with his six grandchildren and followed that up with a trip to Ireland in July. He is on the medical staff of St. Agnes Hospital in Baltimore.

1945

Austin E. Givens of Alamo, CA and his wife **Mary Burchell '57** write that their grandson, **Jonathan Owsley** graduated magna cum laude from Middleburg College and was picked as an all-American lacrosse player. **Henry F. Maguire** of El Cajon, CA retired last June.

1946

Charles W. Hawkins of Chattanooga, TN has been chief of surgery at the Memorial Hospital since 1991 and is planning to retire in 1994.

1947

David Geddes of Santa Ana, CA received the Orange County Medical Association's Physician of the Year Plaque at the May general membership meeting. **James F. Houghton** of Green Valley, AZ writes that in the summer of 1992 he saw **Ray Berggreen '47** and on another occasion **Al Dietz '72** who practices in Fargo, ND. **W. E. Schnitzker** of Ashland, KY is retired except for locum tenen 7-8 weeks throughout the year. **Harold Sussman** of Baltimore retired as Chairman of Sinai Hospital's department of emergency medicine last March.

1948

Joseph L. Aponte of San Juan, PR describes his 45th medical school reunion with classmates last May as "immensely enjoyable."

1949

J. A. Spittell, Jr. of Rochester, MN was awarded a Mastership by the ACP at its Annual Session in April.

1950

Fred J. Burkey of Pittsburgh, PA is retiring from practice. **Frank T. Kasik, Jr.** of Baltimore retired last January. **Hunter S. Neal** of Bryn Mawr, PA retired in June. **Frederic R. Simmons** of Daytona Beach, FL sold his pediatric practice in 1986 but still sees patients a couple of times a week for the county and the children's medical society and covers for local pediatricians when they are away.

1953

John B. Codington of Wilmington, NC was elected to the North Carolina Senate in November 1992.

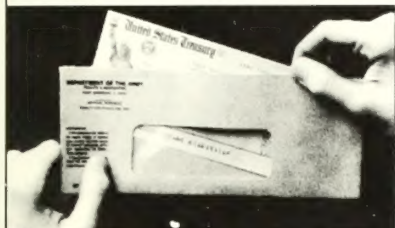
1954

Allen C. Bullock of Corpus Christi, TX retired from private practice and is now an instructor of internal medicine

Continued on page 28

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Class Notes, continued

at the Corpus Christi State School of Medicine.

1955

George K. Baer of Norwell, MA tells us that Leonard J. Morse has been elected president of Massachusetts Medical Society. Donald H. Dembo of Baltimore is president elect of the Medical and Chirurgical Faculty of Maryland. James T. Keegan of Milford, CT and Brewster, MA continues to enjoy retirement with his wife Joan and encourages fellow alumni to give them a call if they are in the vicinity.

C. Clark Welling of Bountiful, UT is a full clinical professor at the University of Utah Medical School and president elect of the Salt Lake County Medical Society.

1956

Richard L. Plumb of Houston, TX is immediate past president of the Texas Pediatric Society and his wife Lois is president elect of the Texas Pediatric Society Auxiliary.

1958

Meredith S. Hale of Woodland Hills, CA is the senior vice president of medical affairs at the Northridge Hospital Medical Center in Northridge, CA and has been named Diplomate of American Board of Medical

Management, the national certifying agency for physician executives.

1960

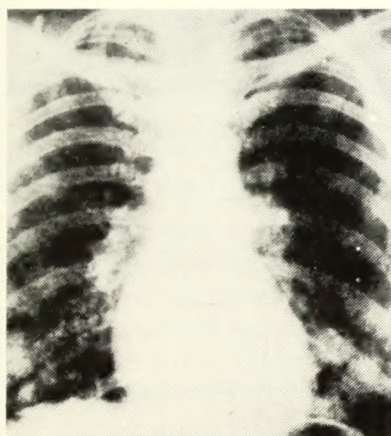
J. Ward Kurad of Hickory, NC is semi-retired and a consultant in health care management. John R. Stram of Dover, NH is the 1993 president of the New England Otolaryngology Society.

1961

Leonard W. Glass of Solana Beach, CA is a clinical professor of surgery at the University of California at San Diego.

1963

Michael L. Levin of Baltimore, MD associate professor of medicine at both the University of Maryland and Johns Hopkins medical institutions and founder of Sinai Hospital's division of infectious diseases, has been named chairman of the Baltimore City Mayor's AIDS Coordinating Council, a body of health care professionals, activists and people with AIDS appointed by the mayor. Janet E. Mules of New Delhi, India recently moved there from Pretoria, South Africa, as part of the medical unit of the United States Department of State.



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1964

Jerome P. Reichmister of Owings Mills, MD chairs the department of orthopedic surgery at Sinai Hospital in Baltimore.

1965

Brian J. Baldwin of Dallas, TX is a clinical professor of medicine at the University of Texas Southwestern Medical School and is also a transplant cardiologist and the chief of cardiology at the St. Paul Medical Center in Dallas; he also directs cardiovascular rehabilitation services.

Chester C. Collins of Ashville, NC retired on medical disability in 1986.

1966

Henry L. Trattler of Miami, FL writes that his son, Bill, is a resident in ophthalmology at the University of Pennsylvania, where classmate Stuart Fine chairs the Department. Dr. Trattler's daughter is at the University of Miami where she will get her MBA this winter.

1967

John A. Bigbee of the Keflavik, Iceland Naval Station transferred there from Jacksonville, FL, last July to practice family medicine.

1968

Barry J. Schlossberg of Louisville, KY apprises us that ground has been broken for his new 10,000 square foot professional building and that a fourth internist will soon join the group.

1969

Ronald R. Parks of Baltimore opened an office last summer in the Valley Village Professional Center in Owings Mills, MD where he practices psychiatry and behavioral medicine.

1970

Stanley T. C. Tseng of Huntington Beach, CA has been promoted to clinical professor of ophthalmology at the University of California at Irvine.

1971

Paul T. Rogers of Bel Air, MD has published a book.

1974

Barry S. Gold of Baltimore, MD presented medical grand rounds at Bethesda Naval Medical Center on "Poisonous Snake Bites."

1975

Albert H. Dudley III of Baltimore, MD is the 1992-93

president of the Southern Orthopaedic Association.

Richard L. Taylor of Towson, MD has been promoted to full clinical professor of neurology at the School of Medicine. Dr. Taylor is the 1993-94 treasurer of the Medical Alumni Association board of directors. **Trudy E. Termini** was recently one of 50 -60 health care professionals in the country to complete the certificate program in Health Care Negotiation and Conflict Resolution program at Boston University's School of Public Health. The objective of the program is to train health care professionals to mediate dis-

putes within the health care realm without resorting to adversarial remedies.

1977

Linda L. George of Columbia, MD began practicing pediatrics with the Johns Hopkins Medical Services Corporation in Baltimore as of July 12. **Neil D. Goldberg** of Baltimore announces that fellow alumnus **Lisa S. Pichney '87** joined his practice in 1992.

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Class Notes, continued

1979

Thomas B. Volatile of Easton, MD and his wife Katherine have three children: Robert, Thomas and Mary Katherine, who was born last June.

1980

Dale K. Dedrick of Ann Arbor, MI writes that her health problems prevent her from practicing clinical medicine, but she continues to teach and do research at the University of Michigan on a limited basis. **Mickey Foxwell** of Lutherville, MD and his wife Iris announce the February birth of their son Louis Shipley Foxwell.

Christine L. Kirkwood-Galan of St. Michaels, MD apprises us that she and her husband Mihail Galan have a daughter who is a nationally ranked competitive swimmer. **M.E. McCahill** of San Diego, CA is the medical director of a University of California at San Diego satellite clinic and in June was chosen by family practice residents at the United States Naval Hospital at Camp Pendleton as 1993 Outstanding Teacher of the Year.

1981

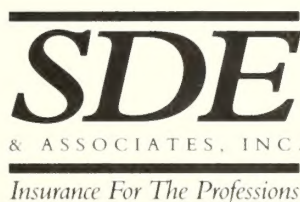
Benjamin F. Calvo of Chapel Hill, NC married Patricia Rivers, M.D. Dr. Calvo is an

assistant professor of surgery at the University of North Carolina at Chapel Hill. **Carol G. Hooper** of Columbia, MD became an assistant professor in the Georgetown University Medical School's department of community and family medicine in September. **Linda J. Rever** of Pasadena, CA left the department of anesthesiology at Georgetown University Hospital last summer after accepting a position at the USC Medical Center in Los Angeles. In September, Dr. Rever will take the first examination required for pain management certification. **Samuel Smith** of Lutherville, MD has edited a book entitled *Modern*

Management of Premenstrual Syndrome, published in 1993. **Gloria J. Zibilich** of Smithport, PA opened a northwestern rural family health center in October 1992.

1983

Stuart H. Goldberg of Hummelstown, PA is an assistant professor of ophthalmology at Penn State's College of Medicine and serves as residency director there. His subspecialty is oculoplastic and orbital surgery. Dr. Goldberg and his wife Cyndie have two sons, Dan and Ben. **M. Jody Whitehouse** of Cherry Hill, NJ and her husband Braham



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Levy, M.D. have two children, Alexander and Hannah. Dale R. Meyer and his wife Joy Leuchten Meyer '89 are the proud parents of Eric James Meyer born April 15, 1992.

1984

Edward P. Nast of Fayetteville, NY completed a cardiothoracic surgery residency at the University of Maryland Medical System and has joined St. Joseph's Cardiac Surgery in Syracuse, NY.

1986

Lee A. Kleiman of Baltimore, MD completed facial plastics fellowships in Toronto, Ontario and Bern, Switzerland and now practices in Baltimore. Denise Murray Pelmoter writes that she and her associate opened an in vitro fertilization laboratory at Alexandria Hospital in Virginia.

1987

Robert H. Baker of New York City is in private practice in ophthalmology in New Rochelle, NY and was appointed to the Westchester county Board of Health last August.

1988

Robert M. McLean of New Haven, CT enjoys living there in his busy second year as a Yale fellow in rheumatology.

1989

Wing C. Chau of Richland, WA is the medical director for rehabilitation services at the Kadlec Medical Center there.

Leighton H. Forrester of Beltsville, MD is a fellow in cardiovascular diseases at the Washington Hospital Center in Washington, DC where he was chief resident in 1992-93. Steven R. Daviss of Reisterstown returned to Baltimore as a research fellow at the Maryland Psychiatric Research Center working with the Maryland Brain Collection after completing his residency and chief residency at Western Psychiatric Institute in Pittsburgh.

1990

Carolyn M. Apple of Dalls-town, PA completed an internal medicine residency and followed it up with one in emergency medicine at York Hospital, in Pennsylvania.

1992

Paul Dyer of Baltimore, MD is an ophthalmology resident at the University of Maryland.

1993

Paulette Browne of Burlington, VT writes that she and Brian Solberg are engaged. Debra Hurtt of Agawan, MA married Michael Stasko on June 12, 1993 in Chestertown, MD.

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Final Call for Alumni Award Nominations

We invite you to send in nominations for both the *Honor Award and Gold Key* and the *Medical Alumni Association Service Award* by **February 1, 1994**.

The *Honor Award and Gold Key* is awarded to a living alumnus based on "outstanding contributions to medicine and distinguished service to mankind."

Factors included in the selection process include impact of accomplishments; local, national and international recognition; supporting letters; and publications. The *Medical Alumni Association Service Award* is given to an individual who has provided "outstanding service to the Association."

Nominations will be retained and reconsidered annually for three years after submission. Letters of nomination must include a curriculum vita and should be addressed to:

Theodore Patterson, M.D. '62, Chairman Awards Committee
Medical Alumni Association
522 W. Lombard Street
Baltimore, MD 21201

Faculty and Staff News

Eli Adashi, M.D., professor and director of the division of reproductive endocrinology at the department of obstetrics and gynecology in the School of Medicine, delivered the Regnier De Graaf lectureship in Amsterdam, Holland, a distinction recognizing his achievements in the study of ovarian physiology.

Beth Barnett, M.D., assistant professor in the department of family medicine, has been appointed to the United States Medical Licensing Examination (USMLE) Step 3 Test Material Development Committee. The committee works to assure the quality and integrity of the USMLE evaluation system.



Keep in Touch

We enjoy hearing from alumni and hope you enjoy reading about the professional accomplishments and personal milestones of your colleagues. Please help keep us informed. Write to Class Notes Editor, Medical Alumni Association, 522 West Lombard Street, Baltimore, MD 21201. Or, get in touch by phone, 410-706-7454, or FAX, 410-706-3658.

Judy A. Emery, Ph.D., has been appointed as interim director for research services. She will have responsibility for the Institutional Review Board (IRB) and Institutional Animal Care and Use Committee (IACUC) office. Christopher Beardmore has also joined the IRB/IACUC office and will serve as its coordinator.

Robert Schwarcz, Ph.D., professor and head of the neuroscience program at the Maryland Psychiatric Research Center, department of psychiatry, School of Medicine, has been awarded the 1993 Friedrich-Merz Visiting Professorship by the University of Frankfurt, Germany, recognizing his research on nerve cell death.

Arthur E. Sowers, Ph.D., research professor of biophysics, was an invited speaker at an international workshop in new biomedical applications of cell biophysics techniques, held at the UNESCO Centre for Membrane Science, University of New South Wales, Australia.

John Talbott, M.D., professor and chair of the department of psychiatry, testified before the U.S. Senate Veterans Affairs Committee on the status of long-term care programs for mentally ill veterans. Dr.

Talbott spoke on behalf of the American Psychiatric Association.

Michele Trucksis, M.D., research fellow in the School of Medicine's Center for Vaccine Development, has received a highly competitive young investigator award from the Infectious Diseases Society of America.

Jordan E. Warnick, Ph.D., associate professor of pharmacology, has been named director of student research for the School of Medicine. He will continue to coordinate short term research training, summer research fellowships and other programs.

Donald E. Wilson, M.D., dean, was moderator of a panel discussion that addressed future directions of practice guidelines at the National Medical Association's 98th annual convention and scientific assembly.

Dr. Wilson has also been appointed to the Residency Review Committee for Internal Medicine of the Accreditation Council for Graduate Medical Education, representing the American College of Physicians as one of the parent organizations of the ACGME.

In Memoriam

Maurice F. Klawans '27

Sarasota, FL

September 29, 1993

A native of Annapolis, MD, Dr. Klawans spent his internship at the Norfolk General Hospital in Virginia and completed a residency in psychiatry at Baltimore City Hospital. He was also a resident at the Baltimore Eye, Nose and Throat Hospital. Moving to New York, Dr. Klawans practiced privately there for several years before returning to Annapolis where, during his long career in general practice, he would deliver three generations of Annapolitans. He moved to Florida in 1991. He is survived by a son and a daughter.

Andrew Geller '28

Brooklyn, NY

April 7, 1993

Dr. Geller's internship at the Wyckoff Heights Hospital in Brooklyn, NY resulted in appointments at Cumberland Hospital Medical Center and Trinity Hospital in Brooklyn and at the Good Samaritan Hospital and Dispensary in New York City. His post graduate training in otolaryngology was done at the New York Polyclinic and at Mount Sinai Hospital, also in New York City. In 1941, Dr. Geller enlisted in the army and served two years in Brazil with the rank of Major. After his discharge, Dr. Geller began a

15-year career with the Veterans Administration.

After resigning from the VA in 1963, he moved to Lansing, MI where he began a practice in internal medicine and was affiliated with St. Lawrence, Sparrow and Ingham Hospitals. Among the survivors is his niece Goldie Karan of Brooklyn, NY.

Cecil C. Shaw '28

Loxley, AL

July 3, 1993

Dr. Shaw lost his life as a result of an automobile accident in Bryan, TX. His specialty was dermatology. He is survived by his wife Katie.

Frank J. Holroyd '29

Princeton, WV

April 10, 1993

Dr. Holroyd served his internship at the United States Naval Hospital in Baltimore before joining his father on the staff of the Old Princeton Hospital where he would practice medicine until his retirement in 1988. He served as chairman of the West Virginia State Medical Licensing Board for 36 years and as chairman of the legislative and political action committees of the West Virginia State Medical Association. His term was the longest ever served and he received the American Medical Association's highest honor as having done the most to fight socialized medicine.

Dr. Holroyd was a life member of the American Academy of Physicians and the Academy of Family Physicians and he was instrumental in the formation of the Mercer County Health Department. He was a past chief of staff for Princeton Memorial and Princeton Community Hospitals. His wife Mary survives.

Leroy S. Heck '29

Mt. Kisco, NY

August 5, 1993

Dr. Heck, a general surgeon, joined the staff of Northern Westchester Hospital in 1930; he served as chairman of the medical board for two years and as chief of surgery from 1946 until 1963. After being involved in four major campaigns to raise money for the Wallace Pavilion, he retired in 1975. Dr. Heck also served as medical director for Reader's Digest and was the company surgeon for the New York Central Railroad. His involvement in the community of Mt. Kisco was so great that November 20, 1984 was proclaimed "Dr. Leroy S. Heck Day" and the U.S. Congress honored him with a Selective Service Medal in recognition of his services. Among his survivors are his wife, a daughter and a son.

Irving Hantman '32

Takoma Park, MD

Retired from his practice of otolaryngology in 1978.

John W. Albright '35

Kensington, MD

September 20, 1993

Dr. Albright retired from the Navy Medical Corps as deputy surgeon general of the Navy in 1973 with the rank of rear admiral. During World War II, he served as medical officer aboard the battleship Wyoming in the Atlantic. In 1949, he became a resident in dermatology and syphilology at New York University Medical School. Subsequent service included duty at the Bureau of Medicine and Surgery in Washington and naval hospital in St. Albans, NY and Great Lakes, IL. Survivors include his wife.

Michael L. Keller '35

Franklin Lakes, NJ

July 7, 1993

Dr. Keller interned and became certified in OB/GYN at St. Joseph Hospital in Towson, MD. He practiced in Paterson, NJ from 1937 until 1964 and in Franklin Lakes from 1964 until 1978. Dr. Keller served in the European Theater as a surgeon and medical officer during World War II. He was a fellow in both the American College of Surgeons and the American College of Obstetrics and

Continued on the next page

Gynecology and a diplomate of the American Board of Obstetrics and Gynecology. In addition to his wife, Dr. Keller is survived by two daughters.

Eugene R. McNinch '36

Dover, DE

May 22, 1993

Dr. McNinch interned at the Western Pennsylvania Hospital in Pittsburgh and completed his residency in radiology at University Hospital. He practiced radiology until he retired in 1978. Among Dr. McNinch's survivors are his son, Eugene, Jr. '68 and his brother, James '45.

Ephraim T. Lisansky '37

Baltimore, MD

August 16, 1993

Dr. Lisansky served his internship at Mercy and University Hospitals in Baltimore, was a Weaver Fellow in Pathology and a Fellow in Medicine. After a tour of duty in the South Pacific during World War II, Dr. Lisansky practiced internal medicine in Baltimore for 35 years. He held full professorships in internal medicine and psychiatry and was on the faculty of the University of Maryland School of Medicine and the School of Social Work. Dr. Lisansky often said that a physician must know as much about the person who has the disease as he does about "the disease that has the person" and his merging of internal medicine with psychiatry was pioneering. He was the first

internist chosen for the William C. Menninger Memorial Award presented by the American College of Physicians in recognition of "distinguished contribution to the science of mental health" and, in 1970, regents of the College elected him to a prestigious mastership. Dr. Lisansky received numerous other awards, among them the Honor Award and Gold Key presented to him in 1983 by the Medical Alumni Association. At least 25 of his articles have been published and he contributed to four medical textbooks. He is survived by his wife Sylvia, his daughter Deborah Beck and his son E. Jonathan '77.

Aaron Bernstein '39

Miami, FL

September 20, 1993

Dr. Bernstein served his internship and residency at South Baltimore General Hospital. His health forced his retirement in 1982, but he continued to enjoy classical music, fine art, literature and sports trivia. Among Dr. Bernstein's survivors are his wife and two sons.

Robert T. Pigford '40

Wilmington, NC

December 3, 1991

C. Martin Rhode '40

Augusta, GA

March 1, 1993

Dr. Rhode retired from a practice in hand surgery and research in 1986. Before his retirement, he was associate chief of staff for research and chief of hand surgery at the Veterans Administration Hospital in Augusta. He was an associate professor of Surgery at the Medical College of Georgia. He is survived by his wife.

Benedict Skitarelic '41

Cumberland, MD

June 18, 1993

Dr. Skitarelic interned at Mercy Hospital in Pittsburgh and did his pathology residency at the University of Maryland. He liked to remember that, while attending the University of Maryland, he was privileged to be taught by and work with some of the top men in his field. He served as medical examiner for Allegheny and Garrett Counties in Maryland and had many papers published. Dr. Skitarelic was the first physician to prove absorption of medicine through the skin. He is survived by his wife Vera and his daughter Kathryn '69.

Martin E. Strobel '43

Conway, SC

July 14, 1993

Dr. Strobel interned at University Hospital and did a residency at Maryland General

Hospital in Baltimore. He served in the U.S. Army during World War II. In 1948 he began a practice in general medicine in Reisterstown, MD which he maintained until 1981, when he retired. Dr. Strobel was a former president of the Baltimore Medical Society and of the Maryland Orchid Society. Among his survivors are his wife and two daughters.

Merle S. Scherr '48

Scottsdale, AZ

July 6, 1993

Dr. Scherr was board certified in allergy and immunology. He practiced in Charleston, WV from 1952 until 1979 and then in Scottsdale from 1979 until 1993. From 1954-56 Dr. Scherr served as a Captain in the U.S. Army Reserve and as Chief of Allergy at Fitzsimmons Army Hospital in Colorado. He was internationally known for his research and teaching in allergy. Dr. Scherr was a member of numerous allergy and immunology societies, past regional director for the American Association for Clinical Immunology and Allergy, and past president of the Greater Phoenix Allergy Society. He authored over 200 professional papers and served on the boards of several journals. Among the many awards he won are the Distinguished

Continued on the next page

In Memoriam, continued

Clinician Award from the American Association for Clinical Immunology and Allergy; the "Friend of West Virginia" award, and the French Medal of Honor of the Hospitalier d'Angers.

Arthur H. Schmale, Jr. '51

Rochester, NY
March 17, 1993

Dr. Schmale specialized in psychosomatic medicine. He was a member of the American Psychosomatic Society, the American Association of University Professors, the American Association of Cancer Education and the Western New York Psychoanalytic Society. He is survived by his wife.

Edward H. Bergofsky '52

Stoneybrook, NY
August 6, 1993

Dr. Bergofsky was a native of South Baltimore and an expert on lung diseases. He held the positions of chief of pulmonary and critical care medicine in the department of medicine at the State University of Stony Brook Hospital and the Northport Veterans Affairs Medical Center. During his career, Dr. Bergofsky taught at Columbia University's College of Physicians and Surgeons and at the New York University School of Medicine, where he became a physiology professor in 1973. He is survived by his wife and daughter.

Jean J. Gunning '54

Baltimore, MD
July 6, 1993

Dr. Gunning was a retired Navy captain and an expert on infectious and tropical diseases and parasitology. His internship was at the San Diego Naval Hospital and his residency at the Naval Hospital in Boston. Graduate work in tropical medicine was done at Louisiana State University. He was an associate professor at the University of Maryland School of Medicine, but also taught at the University of California at Los Angeles and Louisiana State University. He wrote many articles for professional journals and frequently lectured within his specialty. During the war in Vietnam, Dr. Gunning was a flight surgeon for two marine air units, chief of medicine at the Naval Hospital in Da Nang and executive officer of the Naval Medical Research Unit in Taipei, Taiwan. He was a delegate to the Southeast Asian Treaty Organization medical planning conference. Dr. Gunning was chief of medicine and later chief of staff at the Naval Medical Center at Camp Pendleton, CA. He was in charge of medical evaluations of returning prisoners of war from Vietnam and supervised the health care of Vietnamese refugees. His decorations included the Legion of Merit with a V for valor and a Meritorious

Service medal. While stationed at Camp Pendleton, he was given the Community Service Award by the city of Oceanside, CA. Dr. Gunning is survived by his wife and three sons.

Donald W. Gauthier '57

Chelmsford, MA
August 17, 1993

Dr. Gauthier served in the Navy before completing his residency in obstetrics and gynecology at Mercy Hospital in Baltimore. His practice was established in Billerica, MA and he was on the staffs of St. Joseph's, St. John's and Lowell General hospitals. From 1972 until 1984, and again in 1993, he was chief of obstetrical services at St. Joseph's. In 1986, Dr. Gauthier and his wife Gail established Womanhealth, a practice in Chelmsford devoted to women's health issues. In addition to his wife, Dr. Gauthier is survived by four daughters, two sons and his mother.

Thaddeus H. Elder, Jr. '63

Sykesville, MD
August 10, 1993

Dr. Elder operated a family practice in Laurel, MD from 1965 until 1975; he was instrumental in bringing a hospital to that community. He then moved his practice to Cumberland, MD where he worked until 1988. He was on the staff of Memorial

Hospital in Cumberland and served as chief of staff there in the early 80s. After retirement in 1988, Dr. Elder taught biology at Carroll Community College. He was a member of the American Academy of Family Practice. Dr. Elder is survived by his wife, two sons and two daughters.

Franklin R. Hayden '60

Ocean Springs, MS
June 8, 1993

Retired from general practice in 1991. He is survived by a brother.

Faculty and Friends

Ali H. Afrookteh, M.D.

Baltimore, MD
October 9, 1993

A graduate of the University of Tehran School of Medicine, Dr. Afrookteh served a fellowship in cardiac and thoracic surgery at University Hospital in the early 60's. He retired from practice at the end of 1992 after more than 30 years in general and thoracic surgery. He was a long-time friend of University Hospital and a member of the Medical Alumni Association. Among his survivors are his wife and his son, Ali, '83. The family has established a memorial fund and gifts may be sent to either the Medical Alumni Association or the School of Medicine Development Office.

Student News

The Association's Student Advisory Committee has been busy this year. They sponsored a breakfast for incoming first-year students during orientation week, making those present aware of services available from the Medical Alumni Association both during schooling and afterward.

The annual Pizza Party for first-year students was a tremendous success. Not only students, but a substantial number of faculty and alumni shared the exotic pizza varieties and the fun. Student Committee Chairman Scott Laborwit gave a short talk and Past President Tom Hunt '54 gave a tour of historic Davidge Hall, so everyone left with both a good dinner and a good taste of School of Medicine history.

In other student news, the annual Human Dimensions in Medical Education (HDME) Retreat was held August 11-14 at Wisp in western Maryland. About half the incoming class attended along with upperclassmen, faculty, alumni and "significant others." Participants spent mornings and evenings in small group sessions discussing the personal problems caused by the stresses of a medical career, but plenty of time was left for socializing, including a square dance sponsored by the Medical Alumni Association. Those interested in attending next year's retreat should contact Dr. Michael Plaut at 410-328-4168.



The Pizza Party in Chemical Hall

The MAA sponsored a square dance at the Human Dimensions in Medical Education retreat



OUT AND ABOUT



October 10 found 150 alumni, faculty and friends at a charming Victorian mansion in Washington, D.C. for a reception in conjunction with the American Society of Anesthesiologists hosted by M. Jane Matjasko, professor and chair of the department of anesthesiology, and Murray Kalish, Secretary of the MAA's board of directors. The mansion, actually a bed-and-breakfast near DuPont Circle, contains dozens of rooms jammed with antiques and art—all of which is for sale. We wonder how many guests went home with new treasures?



The following evening found MAA Director Carole Cassidy Miller hosting a gathering in San Francisco for the American College of Surgeons, along with Joe McLaughlin '56, professor and chair of the division of thoracic surgery and Don Gann, vice chairman of the department of surgery. Though we didn't have the advantage of a Victorian mansion, it's easy to have a good time in the City by the Bay!

Elkridge Estates



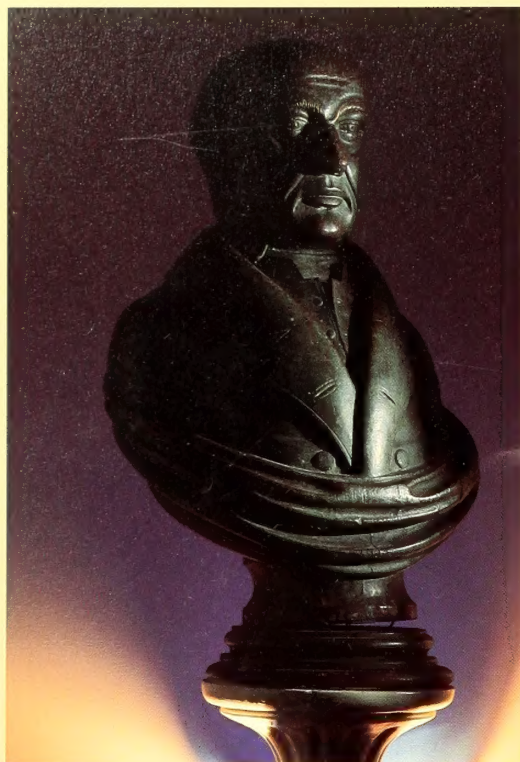
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Steve Spartana

John Beale Davidge Founding Dean of the School of Medicine

Our wonderful carved wooden likeness of John Beale Davidge will have a new home temporarily. The Baltimore Museum of Art has asked to borrow the bust for its upcoming exhibition entitled *Maryland Public Treasures*, which will run from February 20 through April 17, 1994. The bust is considered to be quite unusual and valuable and we are proud to share our treasure.

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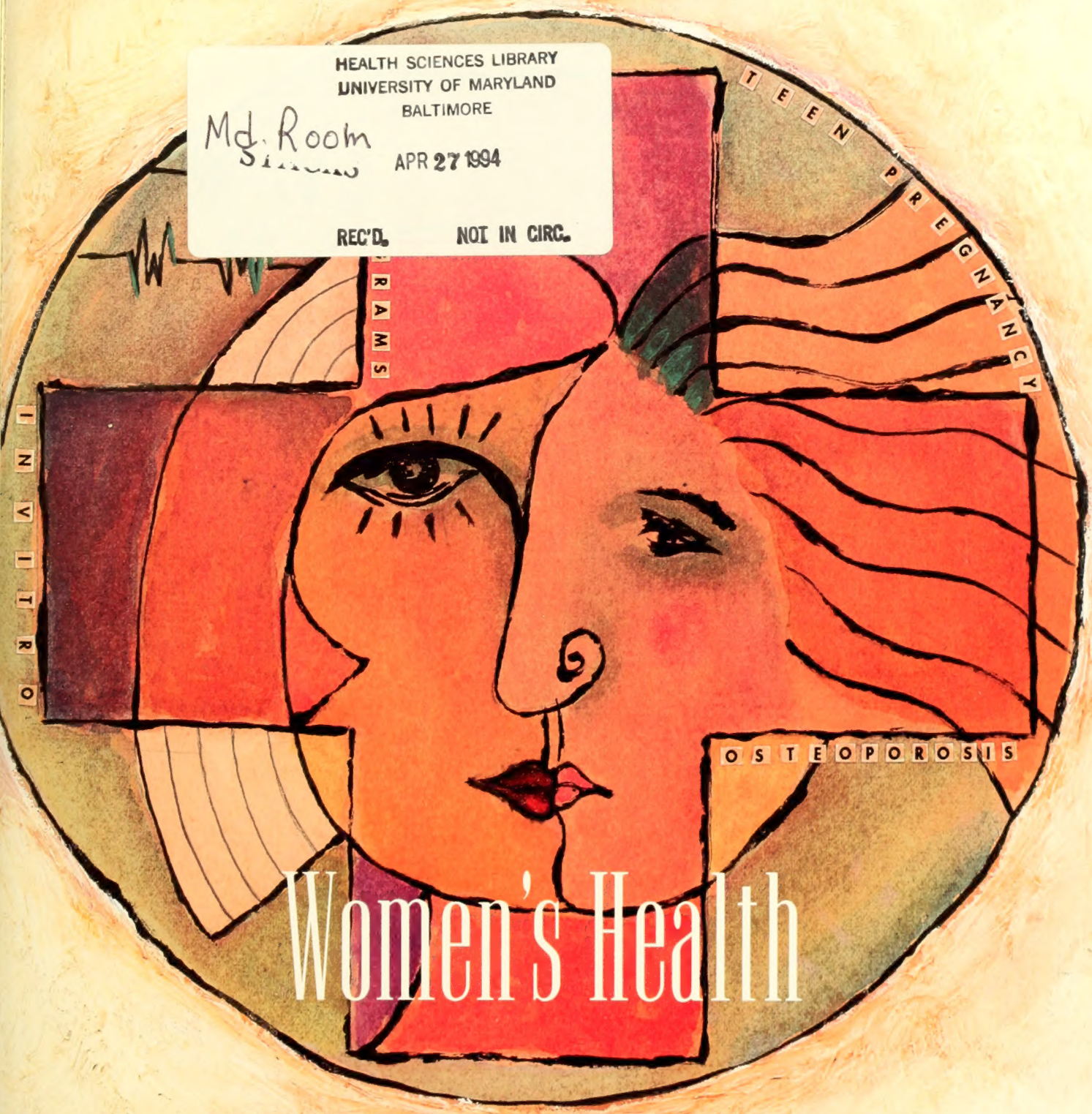
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Correspondence should be addressed to the Editor of The Bulletin. Communications regarding membership, dues status or changes of address should be directed to the executive director of the Alumni Association. Four to six weeks advance notice is required for address change.

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Dr. David J. Ramsay

Cover illustration by
Shaul Tsemach

Message from the Dean



Donald E. Wilson, M.D., Dean

It is the beginning of a new calendar year as I write this message for the Spring issue of *The Bulletin*. You will read it as we are finishing the 1993-94 academic year.

This seems to be an appropriate time to look at where we have been in the past year and where we hope to go in the next.

Some highlights of 1993:

- Full reaccreditation by the Liaison Committee on Medical Education (LCME), which gives us official sanction to continue conferring the Doctor of Medicine degree.
- Groundbreaking for the Health Sciences Facility.
- Completion of an all-encompassing strategic planning process that involved the contributions of faculty, staff, students and many other constituents. This plan provides a template for the school's future throughout the next five years.
- Results of an economic impact study showing that \$10.00 goes back into the state's economy for every dollar in state funding we receive. This is particularly remarkable when you consider that state support now repre-

sents only about twelve percent of our budget.

- Research funding that topped \$93 million, making our School of Medicine one of the fastest-growing in the country.
- A record number of applicants for the Class of 1997 — nearly 4,000 for 145 spots.
- Initiation of an extensive curriculum review, resulting in a move toward more patient interaction in an ambulatory setting, beginning in the first (rather than third) year.
- Four grants totaling more than \$3.5 million were awarded to School of Medicine researchers to encourage underrepresented minorities and disadvantaged students to choose a career in the health professions.

I do not expect our state funding to increase appreciably. In fact, with inflation factored in, we will actually see less state support. We will once again be pressed to become more self-supporting, a challenge we have so far met successfully, particularly during the past four years.

Ironically, the Health Sciences Facility, though still under construction, is already out of assignable

space! While Phase II is being planned, and the proposed Medical Biotechnology Center will offer additional lab space (but no classroom space), we still need funding to equip Phase I and to continue the renovations to the 4th, 5th and 6th floors of Howard Hall. An advisory standing committee has been formed for core facilities, an important step toward better utilization of our resources. The committee will also make recommendations on support for a variety of investigators.

When you read this, the curriculum review process will have been completed for the most part. Committees involved in the process will have presented seven drafts, and a series of open meetings for students, faculty and other constituents will have occurred. Like the strategic planning process, the curriculum review process has been an inclusive one. After reports to the Executive Committee and School of Medicine Council, course-specific working groups will be convened, with course-masters asked to participate in the design of materials. Many changes have already occurred in anticipation of curriculum reform, and changes will continue to evolve until we reach full implementation in 1997. One issue that will receive

close scrutiny is how faculty will be rewarded.

There are some new faces of note around campus. Michael Shipley, Ph.D., has joined us as the school's new chairman of the department of anatomy; Gretta Estey is associate dean for development, with a joint appointment as vice president for development at the University of Maryland Medical Systems; and Barbara Bass, M.D., has been named chief of surgery at the VA Medical Center. Dr. Shipley has already named his first appointment; Ms. Estey has taken steps to jump-start our stalled Medical Center capital campaign; and Dr. Bass comes on board as the VA Medical Center has just been named one of two "reinventing government" sites in the nation.

I am pleased to report that the School of Medicine's Board of Visitors met again and made it clear that they are willing to meet twice a year rather than only once in order to make more of an impact. Our board presently includes Morton D. Bogdonoff, M.D., chairman; Roger J. Bulger, M.D.; James Frenkil, M.D. '37; Raymond V. Haysbert, Sr.; Thomas E. Hunt, Jr., M.D. '54; David M. Kipnis, M.D. '51; Harry C. Knipp, M.D. '76; Edward J. Stemmler, M.D.; and

Garland O. Williamson.

Finally, I would like to point out that your Medical Alumni Association continues to experience a growth in revenues each year. Revenues come from membership dues, fundraising activities and other sources. If you do not already belong to the Alumni Association, I would urge you to become a member. I would also ask that you think about contributing in other ways, as well. If you have any questions about the Association's activities, Board President Harry Knipp, M.D., or Executive Director Carole Cassidy Miller would be glad to speak with you.

It appears that once again we will have a record number of applicants, this time for the Class of 1998. I hope that should you come in contact with those who matriculate as they make their way through their education and training, you will encourage them to become active in their Alumni Association after graduation.



Donald E. Wilson, M.D.
Dean



In this issue

To tend to the health of women is to tend to the health of future generations. The mental and physical health of American women has a direct effect on the health of infants and children and ultimately on the health of the nation.

At the University of Maryland, scientific knowledge and preventive strategies combine to improve the quality of life for women from pre-conception through old age. In this issue of *The Bulletin*, we explore just a few of the clinical and research advances on our campus, as well as concerns facing research funding and issues raised by managed health care.

Join us as we look at physicians contending with the contemporary concerns of young women—growing up in an age complicated by pervasive sexual advertising and the stark reality of AIDS. In reproductive endocrinology, our scientists are helping couples who cannot conceive children and exploring the sensitive moral issues that surround managed fertility. Our Breast Evaluation Program offers innovative treatment to women stricken with breast cancer.

The campus' new Women's Health Research Group, a formal network of university scientists, meets monthly to become more informed about women's health and consider how group interests might be directed toward research support.

Our goal is to bridge the gaps in women's health and provide a better understanding of how specific diseases affect women of all ages and backgrounds.

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News

Physician/ physiologist becomes new UMAB president

*Former vice chancellor of
UC San Francisco to lead
campus*

The University of Maryland System Board of Regents has appointed Dr. David J. Ramsay president of the University of Maryland at Baltimore. The appointment is effective June 1, 1994.

Regarded as an exceptional administrator, Dr. Ramsay has been senior vice chancellor of academic affairs at the University of California, San Francisco since 1982. In addition to helping lead that institution to international eminence, he has been particularly effective in helping the San Francisco campus strengthen its academic programs and increase its involvement in the surrounding communities. A physician and a physiologist, Dr. Ramsay is an active member of several medical and scientific organizations.

Dr. Ramsay joined the University of California, San Francisco in 1974 as a faculty member in the department of physiology. He chaired the department on an acting basis one year prior to his appointment as senior



Dr. David J. Ramsay

vice chancellor of academic affairs. Before joining the University of California, he was a lecturer in the Laboratory of Physiology of Oxford University, and a Fellow and Medical Tutor at Corpus Christi College there.

Dr. Ramsay holds several degrees from Oxford University, including an advanced medical degree, doctoral and master's degrees in physiology, and a bachelor's degree in preclinical sciences and physiology.

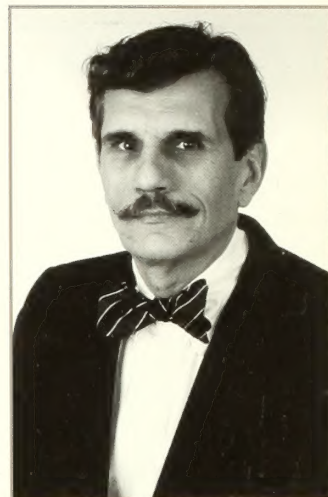
Dr. Ramsay will succeed Dr. Errol Reese who was president of UMAB for three years. Dr. John W. Ryan has served as interim president since Dr. Reese's departure on December 31 and will continue in this capacity until Dr. Ramsay joins the campus in June.

Anatomy chair named

Michael T. Shipley, Ph.D., has joined the University of Maryland School of Medicine as professor and chairman of the department of anatomy. Dr. Shipley comes to Maryland from the University of Cincinnati College of Medicine, where he had held various positions since 1982. Most recently, he was professor, department of anatomy and cell biology; founder and co-director of the Center for Image Analysis; and associate professor, department of neurosurgery.

Prior to that, Dr. Shipley also held positions as director of the division of neurobiology; associate professor, department of anatomy and cell biology; and vice chairman of that department.

Dr. Shipley received his undergraduate degree in philosophy, mathematics and psychology from the University of Missouri at Kansas City in 1967. He received his doctoral degree in neuroscience and neurophysiology from the Massachusetts Institute of Technology in 1972, and went on to perform postdoctoral work in neuroanatomy at the University of Aarhus in Denmark, and in neurophysiology at the University



Michael T. Shipley, Ph.D.

of Oslo in Sweden. Upon completing his postdoctoral studies he began his academic career as a lecturer in the Institute of Anatomy at the University of Lausanne in Switzerland. He then returned to the United States to accept a position as assistant professor in the department of cell biology and anatomy at Northwestern University Medical School.

Dr. Shipley is an associate editor of the *Brain Research Bulletin*, and is a regular member of the NIH-NINCDS Neurobiology Study Section, as well as an ad hoc reviewer for the National Science Foundation. He is director of an NIH program project grant and holds two RO1 grants and a major Department of Defense

continued on page 8

News

Associate dean of development named

The University of Maryland Medical Center recently named Gretta P. Estey associate dean for development in the School of Medicine and vice president of development for the Medical System. She is responsible for directing the Medical Center's capital campaign as well as all other fundraising efforts by the Medical Center.

The capital campaign is in its second year, and has raised nearly \$82 million of its \$125 million goal. "The Medical Center can be very proud of the campaign to date," said Ms. Estey. "The efforts of the faculty, staff and volunteers have resulted in strong private and public sector support. I look forward to building on the foundation that has already been established."

Ms. Estey pointed out that the campaign is only a small step in the Medical Center's future. "One of my primary goals is to develop and begin implementation of a long-range strategic development plan that will position the Medical Center for fundraising in the future," she said.



Gretta P. Estey

Ms. Estey has more than 15 years' experience in senior-level fundraising positions, primarily in Baltimore. She comes to the Medical Center from Rensselaer Polytechnic Institute (RPI) in Troy, N.Y., where she was director of leadership gifts in a \$200 million campaign. She joined RPI in 1989 as a senior development associate.

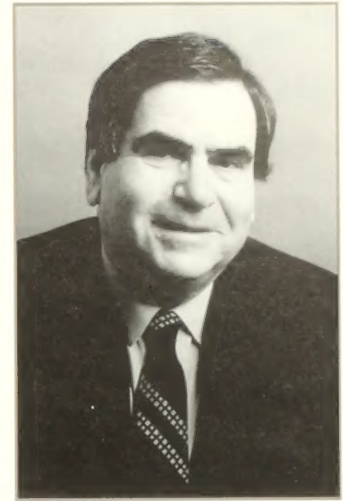
Previously, Ms. Estey held key fundraising positions in Baltimore including vice president for institutional advancement at St. Mary's Seminary and University and vice president of marketing and development at the Kennedy Institute (now the Kennedy-Kreiger Institute).

Greenebaum to head UMMS board

The board of directors of the University of Maryland Medical System has selected Stewart J. Greenebaum as its new chairman. A life-long Baltimore resident and philanthropist, Mr. Greenebaum is president of the regional real estate development firm of Greenebaum and Rose Associates, Inc.

Mr. Greenebaum has served on the Medical System board since 1990. Most recently, he has held the post of secretary/treasurer. He has also chaired the board's finance committee, and has served on several other board committees. He succeeds former chairman Roger C. Lipitz.

As the new chairman, Mr. Greenebaum heads the 28-member board of the Medical System, which oversees the operation of the 8th largest private employer in the Baltimore area with an operating budget of \$375 million. The University of Maryland Medical System is a private, non-profit institution that includes the University of Maryland Hospital, the Shock Trauma Center, the University of Maryland Cancer Center, the James Lawrence Kernan Hospital, and the



Stewart J. Greenebaum

Montebello Rehabilitation Hospital.

Mr. Greenebaum's firm has built more than 1 million square feet of office and retail space and more than 10,000 residential building lots throughout the metropolitan Baltimore area. Among Greenebaum and Rose's recent commercial projects is Union Center, an office building complex in Washington, D.C.

Mr. Greenebaum and his wife Marlene are founding members of the Grant-A-Wish Foundation. He is past president of Temple Oheb Shalom, and vice-chairman of Israel Bonds of Maryland. He is also a founder of the Children's House at Hopkins, a 15-room residence for families of children who are undergoing treatment for life-threatening diseases and injuries.

News, continued

Plaut to head task force

S. Michael Plaut, Ph.D., associate professor of psychiatry in the School of Medicine, has been appointed by Governor William Donald Schaefer to chair the state's newly formed Task Force on Professional-Client Sexual Exploitation. The task force was set up by a bill drafted by Delegate Leonard Teitelbaum (D-Montgomery County) during the 1993 legislative session of the Maryland General Assembly. The task force is comprised of 25 members, including four legislators, representatives from 10 health professions, an attorney, a representative of the Office of the Attorney General, two members of the clergy and seven consumers.

The group's charge is to study the issue of sexual exploitation of clients by health professionals, including what other states are doing about the problem and then to make recommendations regarding public and professional education, prevention, disciplinary measures and rehabilitation and recovery programs for offenders and victims. The task force must provide a report of its findings to the governor by January 1, 1995.

Plaut's interest in the topic began when he served on the Board of Examiners of Psychologists from 1982 until 1985. Since then, he has published numerous chapters and articles on the subject, consulted on licensing and civil cases and worked with victims and offenders. He covers the issue in his sexuality course in the School of Medicine and frequently speaks to professional groups in the community. He recently appeared in an episode of CBS's "48 Hours" that dealt with sexual exploitation of clients by health professionals.

Shipley, continued from page 6

research contract. He is also a co-principal investigator on three NIH RO1 grants.

"Dr. Shipley is a renowned and highly respected neurobiologist, and we are pleased to have him at the University of Maryland School of Medicine," says Donald E. Wilson, M.D., dean. "We wish him great success in his new position."

119TH ANNUAL MEDICAL ALUMNI ASSOCIATION

Reunion Schedule

May 5, 6, 7, and 8, 1994

Thursday, May 5

10:00 a.m.	Continental Breakfast & Registration, Davidge Hall
10:30 a.m.	Campus Walking Tour, Davidge Hall
1:30-4:30 p.m.	Special Tours, Davidge Hall
1:30 p.m.	Cancer Center
1:30 p.m.	Hyperbaric Chamber
2:30 p.m.	Maryland's Hospital for Children
2:30 p.m.	Biomedical Research Facility
3:30 p.m.	Gamma Knife Facility
3:30 p.m.	School of Medicine Complex
1:30-4:30 p.m.	BALTIMORE CITY TOUR
7:00-10:00 p.m.	CRAB FEAST

Friday, May 6

8:30 a.m.	Continental Breakfast & Registration, Davidge Hall
9:00-10:30 a.m.	R Adams Cowley Shock Trauma Center Tours
10:00 a.m.	Veterans Affairs Medical Center Tour
11:00 a.m.	School of Medicine Update, Davidge Hall, featuring Dean Donald E. Wilson, M.D.
11:00-5:30 p.m.	PIMLICO RACE TRACK
11:00-2:00 p.m.	Complimentary Lunch, Davidge Hall
12:00 p.m.	Finkelstein Lecture, Westminster Hall
12:00-3:00 p.m.	CME Scientific Update, Davidge Hall
Evening	CLASS PARTIES for years ending in "4" or "9"

Saturday, May 7

8:30-12:00 p.m.	Continental Breakfast & Registration, Davidge Hall
9:15-4:45 p.m.	ANNAPOLIS BOAT TRIP
	Constellation Pier, Inner Harbor
10:00 a.m.	Annual Business Meeting, Davidge Hall
11:30 a.m.	Veterans Affairs Medical Center Tour
5:30-6:30 p.m.	Dean's Reception for 50-year Class
	Stouffers Harborplace Hotel
6:30-12:00 p.m.	119TH ANNUAL ALUMNI GALA
	DINNER DANCE, Stouffers Harborplace Hotel

Sunday, May 8

10:00-1:00 p.m.	PRE-GAME BRUNCH
1:35 p.m.	BALTIMORE ORIOLES BASEBALL GAME

New SIDS findings:

UMMC study confirms that drop in heart rate is associated with SIDS onset

In some cases of Sudden Infant Death Syndrome (SIDS), a drop in heart rate occurs before breathing stops. These new findings contradict the widespread belief that infants stop breathing first. They also point researchers in new directions as they search for the cause of SIDS.

The study, published in the January issue of *Pediatrics*, was conducted at the University of Maryland Medical Center (UMMC), Harvard University School of Medicine, the Johns Hopkins School of Medicine and the Robert Wood Johnson School of Medicine.

"This suggests that we might need to rethink the mechanism that causes SIDS. The prevailing belief that babies die because they stop breathing is not always true. This study gives us further evidence that the heart rate drops first," says Robert G. Meny, M.D., assistant professor of pediatrics and director of clinical services at the UMMC's Sudden Infant Death Syndrome Institute. Dr. Meny is the lead author of the study and co-author of a previous report in the May 1991 issue of *Pediatric*

Pulmonology, which reported similar findings in four infants, three who died and one who survived after having a cardiac pacemaker implanted.

The current study reports on the case histories of six infants who died suddenly and unexpectedly. All of the infants had been born prematurely. The cause of

The major question that this study raises is what is the cause of the low heart rate in these babies?

death for three of the infants was SIDS. Bronchopulmonary dysplasia, a chronic lung disease, was the cause of death for the others.

The data were retrieved after the infants' death. Each infant had been placed on a

memory monitor, a special home monitor equipped with a computer chip that stores information on a baby's heart rate and breathing.

The monitors sound an alarm when the baby's heart rate drops below a pre-determined level or when the chest stops moving. In all six cases the babies' heart rates dropped before or at the same time that they stopped breathing. In four of the six infants, resuscitation began within one minute after the alarm sounded. In the other two infants, resuscitation did not begin until two hours after the alarm sounded.

"The major question that this study raises is what is the cause of the low heart rate in these babies? In four out of six cases the parents responded within one minute to the low heart rate alarm and yet they were tragically unable to resuscitate their babies. This implies that there was something occurring before the low heart rate alarm sounded, such as a low blood oxygen level, which made resuscitation impossible," says Dr. Meny.

Four years ago, the SIDS Institute became one of the

first centers in the world to use memory monitors for infants at risk of SIDS. Each year, more than 50,000 babies are placed on home monitors around the U.S.

SIDS is the leading cause of death in babies from one week to one year of age. Each year, 5,000 babies in the U.S. and 100 babies in Maryland die of SIDS. Dr. Meny says researchers are just now beginning to understand the mechanisms of these deaths.

For more information on recent advances in SIDS research at the University of Maryland Medical Center, please see our feature article in the Summer 1993 Bulletin.

If you would like more information about research described in *Advances*, or would like to participate in collaborative therapy trials, we invite you to call the University Physicians Consultation and Referral Service, 1-800-373-4111.

Medical Center researchers present findings at Heart Association meeting

Differences between the sexes, diet, beta blockers and pacemakers were among the general research areas explored by University of Maryland Medical Center doctors who gave presentations at the recent American Heart Association meeting in Atlanta.

Women's arteries age better than men's

Atherosclerosis or coronary artery disease begins much earlier in men than it does in women, according to a study conducted by several researchers, including **Robert Vogel, M.D.** and **Mary Corretti, M.D.**

Researchers examined the arteries of 24 healthy men and women, ages 30 and 50 who had no known risk factors for heart disease. Using a new noninvasive test that can detect early coronary artery disease, doctors looked at how the arteries responded to cold temperatures and pressure. They found that while the arteries of 50-year-old women are as healthy as those of 30-year-old women, men's arteries are showing signs of wear at 30.

After age 30, researchers

found that men begin to develop changes in blood vessels that lead to coronary artery disease. Dr. Vogel believes that estrogen plays a large part in protecting the arteries of women. And he says the study underscores the importance of treating risk factors in young men to prevent heart disease.

Iron alone not a risk factor in coronary artery disease

A new study headed by **Michael Miller, M.D.** refutes a 1992 Finnish study which suggested that high levels of iron in the body increase the risk of heart disease. Dr. Miller's study looked at the autopsy results of people who died of iron overload and found that unless they had elevated levels of cholesterol, there was no evidence of heart disease.

"We were surprised at the relative infrequency of hardening of the coronary arteries in patients with very high iron but normal cholesterol levels," said Dr. Miller. However, he noted, too much iron may pose a risk for people with a high cholesterol level. Iron interacts with LDL, the bad form of

cholesterol, to cause further blockage in blood vessels. However, the results may be reassuring to people who were concerned that iron supplements increased their risk of heart disease.

Beta blockers help patients with heart failure

Researchers, led by **Michael Fisher, M.D.**, have found that beta blockers, drugs that slow down the heart rate, help some people with heart failure. The direct effect of beta blockers, especially in high doses, is to reduce the strength of the heart beat. Thus, it seems contradictory that beta blockers could benefit people with heart failure, since heart failure occurs when a person's heart doesn't pump well.

However, in this study, beta blockers in low doses tended to make patients feel better and in about 30 percent, led to improvement in the ability of the heart to pump blood. **Susan Bennett, M.D.**, who presented the paper, noted that the patients with faster heart beats were more likely to show a marked benefit with beta blockers.

Although standard medications for congestive heart failure (CHF) help symptoms and prolong life, it is rare for patients with long-standing heart failure to show improved ability of the heart to pump blood. Noted Dr. Fisher, "a low dose of beta blocker, when added to standard heart failure medications, can result in both decreased symptoms and increased pumping function."

Pacemakers do not help heart failure patients

The idea of using pacemakers to help people with heart failure has been gaining interest in the U.S., but researchers at the Medical Center have found that pacemakers implanted in the standard way do not benefit heart failure patients.

The researchers performed the first placebo-controlled study on a group of 12 patients with severe heart failure. All had the devices implanted, then each had the pacemaker turned on for one month and off for one month. Neither the patients nor their doctors knew which month the device had been activated.

continued on page 11

Sparing the fish is focus of new aquatic toxicology studies

Finding new noninvasive methods for aquatic toxicology studies is the goal of researchers in the School of Medicine's Aquatic Pathobiology Center. **Renate Reimschuessel, V.M.D., Ph.D.**, assistant professor of pathology and director of the center, has received a grant from the American Anti-Vivisection Society's Demeter Fund, which supports the use of nonanimal

methods in research, testing and education.

Currently, scientists must destroy a fish—much the same way a raccoon or dog is destroyed to test for rabies—to determine if toxicants

The new award will allow Dr. Reimschuessel to explore new ways to test fish for toxicant effects without destroying them.

present in an aquatic environment have caused tissue injury. The new award will allow Dr. Reimschuessel to explore new ways to test fish for toxicant effects without destroying them.

The project is similar to other work performed by the aquatic pathobiology lab. Besides educating young investigators in the care and handling of aquatic species as research animals, the lab performs diagnostic work for Baltimore's National Aquarium and Sea World. The center is also involved in a number of studies with the Environmental Protection Agency and the U.S. Fish and Wildlife Service.

Heart Association Meeting, continued from page 10

There was no difference in the patients' heart function or symptoms whether or not they had the pacemaker activated. The researchers concluded that the routine use of pacemakers for the treatment of heart failure is not warranted.

Researchers involved in this study were **Zenaida Feliciano, M.D.**; **Michael Gold, M.D., Ph.D.**; **Stephen S. Gottlieb, M.D.** and **Michael L. Fisher, M.D.**

Michael Silverman, M.D. also gave a presentation at the American Heart Association meeting.

Medicaid and mental health services:

A success story?

A myriad of services are available for Medicaid patients with severe mental illness. The question is: Do they work?

School of Medicine researcher **Anthony Lehman, M.D., M.S.P.H.**, will use a \$477,974 grant from the National Institutes of Health (NIH) to find out. The award will fund a three-year study of the types of care mentally ill Medicaid patients receive and how that care affects their well-being.

According to Dr. Lehman, the study's premise is a unique one. "The most important aspect about this study is the direct assessment we'll be doing of patients' needs and their quality of life. This hasn't been done before—emphasizing the patient's perspective," says Dr. Lehman.

Dr. Lehman and co-investigator **Donald Steinwachs, Ph.D.**, professor of health policy and management at the Johns Hopkins School of Public Health, will collect information from the state Medicaid program to see what services mentally ill patients receive. They will then interview patients ranging in age from 18 to 64, from Baltimore City and

rural Eastern Shore areas in order to achieve a statewide sampling.

"We'll find out what services a patient is receiving, and whether the patient's needs are being met by that service," Dr. Lehman explains. "Maybe a patient is doing well with his or her medication, but not with a housing situation." What investigators learn could have policy implications for current mental illness treatment mechanisms.

The study team, which also includes representation from the state department of health and mental hygiene, will begin data collection next spring.

The *Advances* and *News* sections are prepared with thanks to the public affairs officers of the University of Maryland at Baltimore (410-706-3572) and the University of Maryland Medical Center (410-328-6776):

Jill Bloom
Ellen Beth Levitt
Vicki Strittmater

By Ginny Cook

Closing the gaps in women's health care

UNIVERSITY SCIENTISTS POOL RESOURCES TO ADVANCE HEALTH CARE AND RESEARCH

In the battle of the sexes, women have won the war on longevity, living an average of seven years longer than men. But it may be a hollow victory. ♣ Women do not necessarily enjoy extended quality of life and are more likely than men to experience ill health, become disabled or suffer with chronic diseases in old age. ♣ At the University of Maryland, the Women's Health Research Group has pooled the talents and expertise of university scientists to address research on the health problems of women. ♣ "We want to educate ourselves as well as everyone else about women's health issues," says Kay Dickersin, Ph.D., an epidemiologist and one of the members. "This campus has long been a proponent of issues in women's health. Now we've banded together to identify research funds for endeavors and to consider new sources of research support."

Photographs by Bill McAllen

Breast cancer patient and scientist plunges into the politics of research

Dr. Kay Dickersin has meshed science with her personal life. An epidemiologist by training, she jumped into the unfamiliar political ring that allocates research money because she was diagnosed with breast cancer seven years ago.

She wanted her professional expertise as a scientist and personal experience as a breast cancer survivor to influence not only how much money is spent on breast cancer research but how it is spent, says the assistant professor of epidemiology in the School of Medicine.

As a member of the National Breast Cancer Coalition (NBCC), Dr. Dickersin lobbied Congress to increase the money it spends on breast cancer research. But nothing in her scientific training prepared her for the complexities of the politics controlling the purse strings, she says.

NBCC successfully increased the money that goes to the National Cancer Institute but the bulk of the funds—\$210 million—went to the Department of Defense to be administered by the U.S. Army.

Because the Army doesn't have a peer review system like the National Institutes of Health, it looked for guidance from the Institute of Medicine. And Dr. Dickersin was tapped to sit on a panel to help determine who receives the research money from the Army's budget.

"NBCC wants to bring consumers to the peer review table at NIH and the National Cancer Institute to help determine how the money should be spent," Dr. Dickersin says. The scientific establishment has strongly resisted this idea. But Dr. Dickersin counters, "This is not meant to portray scientists

as bad," but rather to raise issues that won't come up without consumer input.

Her own experience has been a painful lesson in "how doctors view the quality of life for a woman with breast cancer," she says. With fellow NBCC members, it has made her advocate research programs that emphasize basic science and prevention not just treatment protocols.

Yet as a scientist, Dr. Dickersin is keenly interested in clinical trials on women's health. With \$200,000 in funding from the Office of Medical Application Research of NIH, she'll begin a database of published trials which will be indexed under a new medical subject heading in the National Library of Medicine's MEDLINE.

Dr. Dickersin directs the Baltimore Cochrane Center at the medical school, part of a bigger effort known as the Cochrane Collaboration. Named for Archie Cochrane, the collaboration is

an international endeavor that calls for systematic, up-to-date reviews of randomized clinical trials. Often valid evidence about the effects of health care, even though published, may not be readily accessible to those who need to make decisions.

For example, in 1972 researchers conducted a clinical trial of corticosteroids given to women expected to

**Countless scientific data
from breast cancer treatment
to heart medications go
unheeded because scientists
lack ready access to the
evidence.**

give birth prematurely. That study found the drug reduced the risk of death from complications of prematurity. By 1991, Dr. Dickersin says, seven more trials had been reported but because no systematic review of these trials had been published until 1989, most obstetricians had not realized the treatment was so effective.

Countless other scientific data from breast cancer treatment to heart medications similarly go unheeded, Dr. Dickersin says, because scientists lack ready access to the evidence. Effective treatments can be delayed or other treatments continued long after scientific study has shown them harmful, she adds.

The Cochrane database on pregnancy and childbirth is already available in published volumes and on computer disks which are updated every six months. ✻



Reversing Infertility

New advances in reproduction research

In the past 10 years in vitro fertilization programs have become almost routine but they could soon fall victim to health care reform. "Right now assisted reproduction is not part of the Clinton bill," says Dr. Eli Y. Adashi, director of reproductive studies in the School of Medicine.

Yet one in five couples in the United States faces infertility in their lifetime, Dr. Adashi says, with both men and women equally responsible for the failure to conceive a child. "At the

With hormonal supplements, women in their 60s are capable of maintaining gestation with fertilized eggs implanted in the uterus, a process that leaves scientists with a "black box of ethical questions."

University of Maryland, we tend to approach infertility from a couples point of view," he says. "This is a shared problem and a shared responsibility."

"But without some form of coverage our ability to help anyone with infertility will be severely compromised. Only the wealthy will be able to afford it," he says.

While the money may disappear, the techniques that have enabled countless infertile couples to become parents are here to stay, he says. In vitro fertilization, drugs to induce ovulation,

and surgical techniques to treat endometriosis and damaged fallopian tubes are among the advances in reproduction.

At the University of Maryland a team of board certified endocrinologists (under the direction of Howard D. McClamrock, M.D.), two nurses, two Ph.D. embryologists and two technicians process eggs and sperm and transplant eggs fertilized in a petri dish back into the mother. Nationally, the success rate for in vitro fertilization hovers around 20 percent. In the past two cycles, the UM group has enjoyed a 44 percent success rate, though Dr. Adashi cautions that could more closely resemble the national figure when results are averaged over the year.

These "test tube babies" are actually the result of a complicated injection of hormones followed by the harvest of mature eggs, Dr. Adashi explains. The clinical procedures, now fairly straight-

forward, are accompanied by tremendous personal and moral issues that must be discussed and decided by each couple.

Once thought to be dependent on the uterus, reproduction now appears to be a function of the eggs. With hormonal supplements, women in their 60s are capable of maintaining gestation with fertilized eggs implanted in the uterus, a process that leaves scientists with a "black box of ethical questions," Dr. Adashi says.

The anonymous egg donor program, available in Maryland only at the University of Maryland, allows women who no longer have eggs, either because their ovaries were removed, they were born with dysfunctional ovaries, or they suffer from premature menopause, to bear children. Much like a sperm bank, donors are recruited and screened for genetic and psychological diseases. After the donor eggs are recovered and fertilized with the husband's sperm, they are implanted into his wife. "This is not surrogacy," Dr. Adashi explains. "The gestational mothers—the women who use donor eggs—are closely affiliated with their offspring."

Techniques that unblock fallopian tubes have opened the path of parenthood for some women. In proximal tubal catheterization, tiny balloons or other fine probes, under direct vision of a hysteroscope inside the uterus, find the precise location of "tissue plugs" that can clog the tubes. The technique is much like coronary angioplasty catheters that open up blocked passageways in the heart.

"It's a simple matter of opening the tube and clearing the tissue debris," Dr. Adashi says. This is a simple and safe



The in vitro technique: almost routine


outpatient procedure with remarkably good results—a success rate in excess of 80 percent, he adds.

Women who have severe scarring in their fallopian tubes must undergo more major surgery, he says. The diseased segment of the tube must be excised and the remaining pieces reconnected.

In the future, embryonic biopsies will take a single cell from a fertilized egg for detailed genetic analysis of

“At the University of Maryland, we tend to approach infertility from a couples point of view.”

inherited diseases including cystic fibrosis. While the technology could be used frivolously—sex selection of offspring, for example,—“I don’t see it being used that way, at least not in legitimate medical outlets,” Dr. Adashi says.

And a major breakthrough in male infertility could soon be available at the University of Maryland. Previously, men with less than one million sperm could not father children even through in vitro fertilization. Now a technique that injects sperm directly into eggs reduces the number of sperm needed to achieve pregnancy to a number that can be counted on one hand, Dr. Adashi says. 

In the in vitro fertilization process, women receive an injection of hormones to stimulate the ovaries to produce as many eggs as possible. In seven to 13 days, depending on the woman, the follicles reach the preovulatory size of 18 to 20 millimeters.

At this stage women receive another hormone to artificially promote ovulation. But just before the eggs burst from the follicle, a needle is passed through the vaginal wall under ultrasound guidance and from 10 to 20 (an average of 14) eggs are retrieved. These are placed in a dish with the husband’s semen sample. Fertilization occurs and a single embryo is formed.



This is a 4-cell embryo that is normally transferred on the second day after egg retrieval.

When the embryo grows to 8 to 16 cells, usually in a day or so, it is transferred to the uterus. The num-

ber of embryos implanted varies depending on the couple’s moral beliefs. Fetal reduction can pose an ethical dilemma for some.

In some cases, the embryo is implanted in the fallopian tube rather than the uterus, “if the tubes are healthy and the patient wants the procedure. Proponents argue with some merit that fertilization naturally occurs there so the embryo may stand a better physiologic chance,” Dr. Adashi says.

The two tubal implantations are known as ZIFT (zygote intrafallopian tube transfer) for a single-celled embryo or TET (transtubal embryo transfer) for a multicellular embryo.

Another procedure—GIFT (gamete intrafallopian tube transfer)—is a simple transfer of a harvested egg and sperm back to the tube. It is the one procedure accepted by the Catholic Church, but the downside, according to Dr. Adashi, “is you can’t confirm fertilization.”

Adolescent Medicine

Why teen sexual attitudes resist change—despite our harshest warnings

Few of today's adolescents experience an age of innocence. Even before girls put away their jump ropes and baby dolls, they encounter an advertizing blitz where sex sells everything.

"It's very worrisome," says Marianne E. Felice, M.D., the director of adolescent medicine in the School of Medicine. She sees what could well be the medical consequences of a culture that promulgates sex in magazines and newspapers and on television, radio and billboards.

In the adolescent medicine clinic at the University of Maryland, young women growing up in the 90s exhibit

Teens feel invincible and believe whatever the disaster, "It can't happen to me."

the contemporary health problems of early sexual encounters—pregnancy, sexually transmitted diseases and AIDS. And with model-perfect physiques the standard equipment of every ad, girls often fall prey to anorexia and obesity.

Most of these problems are related to unhealthy or risky behavior. And despite the enormous accomplishments of vaccines and antibiotics against infectious diseases, medical science has yet to come up with a magic bullet to change behavior, especially in adolescents. It requires more than just handing teens condoms or brochures warning about the dangers of AIDS and other sexually transmitted diseases, Dr. Felice says.

For example, teens perceive AIDS as "a disease that strikes old gay men," she explains. "And education alone is not enough to change their behavior."

What helps is a "staff intensive" program to change attitudes and behavior, and successful endeavors are expensive, she adds.

The difficulty lies in the adolescent thought process. Youth are concrete thinkers, Dr. Felice says, who deal in the "here and now." The future or its consequences are incomprehensible. Teens feel invincible and believe whatever the disaster, "It can't happen to me."

But far too often it does happen to them. At least in Baltimore City, a survey showed that girls are having sex at younger and younger ages. While the data are difficult to verify because the information is reported by the girls themselves, Dr. Felice says, "Boys tend to brag about their sexual experiences; girls usually do not."

The data are sobering. Four percent of sixth graders reported having sexual intercourse, 14 percent of seventh graders, 24 percent of eighth graders,

61 percent of ninth graders and 65 percent of tenth and eleventh graders. Ten years ago, the mean age for the first sexual experience of teenaged girls in Baltimore was 15.6 for blacks and 16.5 for whites.

The clinic staff treat some of the consequences of early sexual intercourse. Each year about 25 percent of the teens contract one of 22 sexually transmitted diseases including herpes, chlamydia, gonorrhea or human papilloma virus (associated with a precancerous change in the cervix).

And when it comes to pregnancy, says Dr. Felice, "teens are just mimicking adult behavior." In 1991, 30 percent of all births in the United States occurred out of wedlock, she says, with adults bearing more non-marital babies than teens.

"Preventing teen pregnancy is a multifactorial problem that requires multidimensional answers," Dr. Felice says. At the clinic, staff stress sexual abstinence as the best contraceptive and offer other birth control methods. But the simple availability of birth control pills, Norplant or Depo Provera does not guarantee teens will follow pharmaceutical directions or even want to use the drugs. Norplant, for example, may fail if some girls don't like needles, are afraid the implant will be seen under the skin or can't make a five-year commitment.

"There's more going on than meets the eye," Dr. Felice says. Many teens can't plan appropriately. Often having a baby is more important than finishing school or getting a job.

Despite the best efforts of the clinic's staff, a youngster who becomes pregnant before age 15 has a greater than 50 percent chance of becoming



The Health Care Shuttle

Who should women see for primary care needs?

pregnant again in two years, says Dr. Felice. This holds true for all races and crosses all socioeconomic levels.

Various programs try to change the odds. Several years ago, the peer companionship program aimed to prevent teen pregnancy by pairing older adolescents with young girls. Unfortunately it did not reduce teen pregnancy but girls did do better in school, according to Dr. Felice.

Now the Teen-to-Tot program offers health care to first-time teen

It requires more than just handing teens condoms or brochures warning about the dangers of AIDS and other sexually transmitted diseases.

mothers and their babies. While data are not yet available, the goal is to keep the girls from getting pregnant a second time.

Campaign for Our Children, a joint venture of the public and private sector strives to keep kids from becoming sexually active, says Dr. Felice who serves on its board of directors. If kids are sexually active, the goal is to have them practice safe sex and stay in school.

Young women also experience a wide range of nutritional issues, ranging from malnutrition to eating disorders and obesity. Health behaviors usually are established in childhood, with adolescence a period of particular vulnerability. Healthy lifestyles guard against obesity, cardiovascular disease, dental caries, and cancer. ❧

It seems like a simple question. When a woman gets sick or needs primary care, who should she call—an internist, a family physician or an obstetrician-gynecologist? The simple question has no simple answer.

Even Dr. Barbara Bartman who has researched the issue admits, "It's a difficult question." While she believes in the primary care model, Dr. Bartman professes reservations if women deal exclusively with one of these designated primary care physicians over another.

"Internists or family physicians may not deliver adequate preventive care that deals with the reproductive system—pap smears and mammograms. Alternatively, women who seek health care solely from gynecologists may not receive screening treatment or counseling for coronary artery disease, vaccine-preventable illnesses, cholesterol screening, dietary guidelines, HIV and other communicable diseases," she says.

In a 1993 paper published in the *Journal of Women's Health*, Dr. Bartman, examined who women see when they need medical help—family or general practitioner, a gynecologist or an internist.

In a review of data from the National Ambulatory Medical Care survey, Dr. Bartman measured office visits for women aged 15 to 64 but excluded visits for obstetric care. What she found was that women seeking care for six common medical conditions were more likely to visit a family or general practitioner than either an internist or gynecologist.

Little data exist on patterns of nonobstetric care for women. Data does show that women go to the doctor more often than men, although it is unclear whether men need to go and simply do not, or whether women live

longer and have more chronic needs that make them seek a physician's care, Dr. Bartman says. Yet it is essential to establish "cogent health care policy that can effectively and comprehensively meet women's primary health care needs," she wrote.

The policy issue has now become embroiled in politics. The Health Security Act before Congress redefines primary care physicians to include family medicine, general internal medicine, general pediatrics and obstetricians and gynecologists.

Yet if women chose one professional group over another, Dr. Bartman is concerned they "may not be getting the help they need the first time around." In addition to being shuttled from one doctor to another, two to three visits to different physicians increases health care costs, she says.

One answer to this fragmented type of health care is changing the curriculum and training for residents. Since July 1992, the department of medicine has offered residents a concentration of preventive care skills that focus on women's health.

With procedural skills such as Pap smears and breast exams at its core, the new curriculum is being expanded to include contraception and issues related to domestic violence, says Dr. Bartman who helped develop the program with Emily Fairchild, M.D., assistant professor of medicine.

Women require an array of therapeutic and preventive services that is not strictly limited to reproduction or obstetric issues, Dr. Bartman says. After all, "childbirth may be a one to two time occurrence in a woman's life. So there's a real need to examine how women's health issues are taught in medical schools," she adds. ❧

Saving the Breast

Changing Attitudes about Breast Cancer Surgery

Combining cancer surgery and reconstruction in one operation

When Lauren Schnaper, M.D. '81 walks into the operating room, she has a common strategy for her breast cancer patients—whether young or old. Dr. Schnaper, director of the Breast Evaluation Program at University Hospital, wants to save as much of the breast as possible.

In fact, she has a simple rule. A complete mastectomy is warranted only

Times are changing. Life expectancy and survival are not compromised by breast conservation.

when the tumor has spread throughout the breast, she says.

Her philosophy has ruffled a few medical feathers. "There are plenty of people who don't agree with me," admits the 1981 graduate of the School of Medicine. Many surgeons believe older women don't need their breasts or that a tumor under the nipple makes saving the breast impossible. But Dr. Schnaper contends, "Surgeons have to be creative and work with creative plastic surgeons. It's important to their patient's well-being."

"Times are changing," she adds, "and studies are proving that life expectancy and survival are not compromised by breast conservation. Attitudes are slowly changing but a lot depends

on the training of the physician," says Dr. Schnaper.

Dr. Schnaper and plastic surgeon Sheri Slezak, M.D. have combined breast surgery and reconstruction into one operation. The tumor is excised and then the breast is reconstructed using the patient's own tissue, usually muscle and fat from the abdomen. While the procedure has the added benefit of a tummy tuck "psychologically, it's a lift to wake up after surgery with a breast of some sort," Dr. Schnaper says.

A delay in reconstruction "robs a women of an enormous amount of the psychic energy she needs" to deal with her cancer and subsequent treatments, she adds.

In the past, experts believed immediate reconstruction interfered with chemotherapeutic regimens or hid recurring tumors, most of which appeared within one to two years of the original diagnosis. Now, says Dr. Schnaper, "plenty of studies show these fears are not true."

It is one encouraging finding in a

world of somber statistics on breast cancer, one of the most common cancers, that strikes 180,000 U.S. women each year, killing 46,000 of them.

A baby girl born today has a one in eight chance of developing breast can-

A delay in reconstruction robs a women of an enormous amount of psychic energy needed to deal with her cancer.

cer over her lifetime, Dr. Schnaper says. In fact, there has been a steady increase in the incidence of breast cancer since 1948.

Part of the increased risk can be attributed to increased life expectancy. The single biggest risk factor for breast cancer is aging, says Dr. Schnaper, with women now living an average of 80 to 85 years, 10 years longer than the average life expectancy of the last generation. ✂

Clinical Trials

The University of Maryland Cancer Center participates in a number of clinical trials of chemotherapeutic regimens for breast cancer.

One issue being explored is autologous bone marrow transplant. "There have been good results with transplantation techniques in leukemia. Now we are trying to apply related concepts to the treatment of solid tumors," explains Dr. Schnaper.

This spring, as part of the Cancer and Leukemia Group B, Dr. Schnaper is recruiting breast cancer patients over 70 for a study to determine whether radiation and tamoxifen is more effective than tamoxifen alone. Patients must have a lumpectomy only and no axillary dissection, she notes.

To refer a patient to the study, call the Breast Evaluation Program, (410) 328-7855.

Menopause and Osteoporosis

Weighing the Pros and Cons of Hormone Replacement

For women in their 50s, the transition to menopause brings not only physiological changes but the quandary of weighing the benefits and risks of hormone replacement therapy. It is a decision their mothers and grandmothers never had to face.

No matter what their social class or professional accomplishments, every woman undergoes the universal aging process of menopause. When menstruation ceases, it is accompanied by a drop in estrogen production and an increased risk of bone disease.

Hormone replacement therapy after menopause helps protect women against osteoporosis and appears to guard against coronary artery disease and stroke, according to research. Much about menopause and the hormonal changes of a woman's aging process remains a mystery. Medical knowledge, while advancing in the past 25 years, has vacillated about the benefits and risks of hormone replacement therapy.

"Originally, we recognized osteoporosis and estrogen deficiency in vast numbers of post-menopausal women," says Carlyle Crenshaw, M.D., professor and head of obstetrics and gynecology. "And osteoporosis has a significant mortality and morbidity rate in women," he adds.

In osteoporosis, bones deteriorate from excessive loss of tissue. Fractures typically occur in the hip, spine or wrist but can appear in other bones. The disease affects 25 million Americans and causes 1.5 million fractures a year, with women far more susceptible than men. Osteoporosis has no early symptoms and is usually not diagnosed until after age 50, when a fracture occurs.

While estrogen replacement increased the long-term survival of

women because of the deaths associated with osteoporosis, Dr. Crenshaw says, "its unopposed use increased the endometrial cancer rate."

When a progestin agent was added to the estrogen supplements, the combined hormone therapy not only decreased the incidence of osteoporosis but the rate of endometrial cancer was far less than in women who received no hormone treatment at all, Dr. Crenshaw explains.

Since then research appears to confirm that estrogen decreases the frequency of coronary artery disease and stroke. But the progestin agents had an adverse affect on lipid metabolism that "might outweigh the beneficial effects of estrogen on the coronary arteries," he adds. While there is still some concern about the biochemical changes associated with progestin agents, combining

them with estrogen does not appear to significantly harm the fatty acid or lipid metabolism of the body, Dr. Crenshaw says.

Despite the somewhat conflicting data on hormone replacement therapy

Medical knowledge, while advancing in the past 25 years, has vacillated about the benefits and risks of hormone replacement therapy.

in post-menopausal women, "it is still far easier to manage a patient when you know she has had her last menstrual period," Dr. Crenshaw says.

The perimenopausal period, the transition stage leading up to menopause, is far more difficult to manage, he says. It is a tumultuous period with symptoms that may be more severe than menopause itself. Symptoms include hot flashes, mood swings, and changes in hormone production. "But the change is not enough to necessitate hormone replacement. It's difficult to know if hormones help or exactly the therapeutic modality to follow," Dr. Crenshaw says.

Research on these physiological changes in women may provide answers in the future. Genetic and molecular biological studies may hold the key to alleviating not only perimenopausal symptoms but the risks associated with menopause itself. *by*



Class Notes

1935

Everet H. Wood of Black Mountain, NC is a retired ophthalmologist who sits on the board of the Western Visual Rehabilitation Center where he holds group support sessions for visually impaired people.

1940

William C. Livingood of Winter Park, FL retired in January. **Ross Z. Pierpont** of Baltimore, MD spoke at the College of Notre Dame of Maryland in Baltimore in February on the subject of "Renaissance Medicine in the

20th Century — The Renaissance of Health Care from Bismark to Clinton." Dr. Pierpont is the president of Pierpont Systems Consultants International, specializing in health education and welfare.

1947

Bernard Leung of Hasbrouch Heights, NJ retired in December and was honored for 40 years of service in the department of international medicine, Hackensack Hospital. He is the proud father of six children, including Robert, a '76 graduate of

the University of Maryland Dental School, and Richard, an '81 graduate of the University of Maryland School of Medicine. **Arle Mansberger** of Augusta, GA serves on the board of the **Nicholas J. Pisacan, M.D. Memorial Foundation**, which recently named the first 10 Pisacan Scholars. The Foundation is the philanthropic arm of the American Board of Family Practice. **Carl T. F. Mattern** of Rockville, MD retired after 32 years in the Institute of Allergy and Infectious Disease from the Public Health Service at the National Institutes of Health. While at NIH, he conducted basic research in infectious diseases, virology, parasitology and electron microscopy.

1949

C. Burns Roehrig of Wellesley, MA chairs the American Medical Association's council on long-range planning and development, and is also a member of the AMA's ad hoc technical advisory committee on health systems reform.

1951

Robert J. Venrose of Sun City West, AZ was awarded the Distinguished Service Award and the Dr. T. Dealey Award by the Maricopa Medical Society for service to the public.

1953



Leonard H. Flax of Randallstown, MD is chief surgeon for the State Defense Force Association of the United States.

1954

Efrain A. Defendini of Isla Verde, PR directs the department of surgery at Centro Cardiovascular de Puerto Rico.

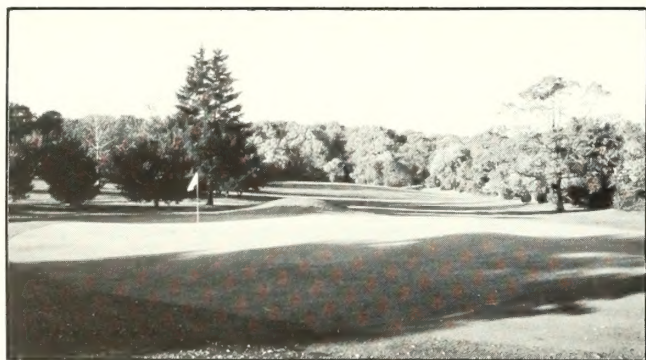
1955

Donald H. Dembo is president of the Baltimore City Medical Society this year.

1956

William R. Cohen of Ft. Lauderdale, FL is trauma surgeon at the Broward General Medical Center. **Edward D. Frohlich** of New Orleans, LA has been named editor-in-chief of *Hypertension*, a major journal of the American Heart Association, and is the recipient of the Bristol-Myers Squibb Lifetime Achievement Award for outstanding contributions in hypertension research and patient care. Frohlich was also presented with the Okamoto International Award in Tokyo for his outstanding contributions to the study on the pathogenesis, pathophysiology and treatment of hypertension.

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Country Club of Maryland

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Class Notes, continued

1957

William Rappoport of Paradise Valley, AZ apprises us that his son Louis completed orthopedic training in New York and joined a group practice in San Diego, where he will be a spine surgeon. Son Alex was recently recruited by Lehigh University to attend and play basketball.

1960

Herman Brecher of Baltimore is president of Northwest Hospital Center's medical staff and is a member of the Medical and Chirurgical Faculty of Maryland's House of Delegates. **Michael S. Tenner** of Teaneck, NJ is currently president of the American Institute of Ultrasound in Medicine. The institute's national meeting will be held in Baltimore in March 1994.

1961

Maurice M. Davidson of Avalon, NJ writes that both of his sons are out of college. Son Phil is an orthopedist in a private group practice, and Sam is engaged to be married and is working for the Coca-Cola Company. **David L. Rosen** of San Rafael, CA is working on a children's preventive mental health program supported by a two-year grant to study temperament in toddlers and preschoolers.

1963

Thomas V. Inglesby of Summit, NJ has two children who are preparing for careers in medicine: Thomas Jr., who is a second-year resident at Johns Hopkins Hospital; and Ann, who is a first-year medical student at Columbia in New York City.

1964

Frank M. Detorie of Cumberland, RI is president of the American College of Surgeons chapter in Providence.

1966

C. Downey Price of Conroe, TX co-founded Benevolent Missions International, an organization that exists to render medical and surgical care where such care is otherwise unavailable.

1967

Elizabeth A. Abel-Lane of Los Altos, CA is the assistant editor of the *Journal of the American Academy of Dermatology* and serves on the medical advisory board of the National Psoriasis Foundation. She and her husband, Barton, have three children: Barton, Geoffrey and Suzanne — all attend college.

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Class Notes, continued

1969

Roberta M. Braun of Severna Park, MD and **Martin Braun '70** write that Alicia, their oldest daughter, will enter the University of Maryland School of Medicine next August. **Leonard D. Cutler** of Chevy Chase, MD practices dermatology and teaches a yearly course to residents in injectable collagen techniques at the Washington Hospital Center and the George Washington University. His son Larry, a computer science engineering major at Stanford, has just been elected to Tau Beta Pi, the national engineering honor society.

1970

Howard R. Kanner of Boston, MA is the president of the Massachusetts Orthopaedic Association.

1973

Murray A. Kalish of Baltimore, MD serves as the 1994 treasurer to the Baltimore City Medical Society and was recently appointed by Governor William Donald Schaefer to the State Emergency Medical Services Advisory Council representing the Medical and Chirurgical Faculty of Maryland. **Robert G. Kirkwood** of Marrero, LA and

his wife, Mary Ellin, are the parents of Anne Rebecca (5) and R. Benjamin (3 ½). **Bernard G. Milton** of Wilmington, IL writes to us of his grandson Michael Milton, who is a junior at the Medical College of Georgia.

1976

Sharon D. Silbert of Chapel Hill, NC recently joined the Division of General Medicine at Duke University. **Daniel J. Winn** of Timonium, MD is the medical director of CFS Health Group, Inc. CFS Health Group owns and operates four Blue Cross and Blue Shield of Maryland health

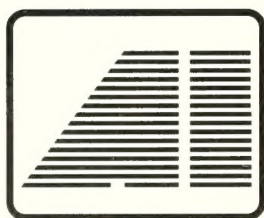
maintenance organizations (HMOs): Carefirst, Free State, Potomac Health and Delmarva Health Plan. Prior to joining CFS, Dr. Winn served as medical director of Potomac Physicians, P.A. for five years and was medical director for Health America Maxicare — a national HMO.

1977

Willarda V. Edwards of Baltimore, MD is president-elect of the Baltimore City Medical Society. **Stuart A. Zipper** of Highland, NY writes that he is alive, well and practicing in picturesque Rhinebeck, NY. He earned an

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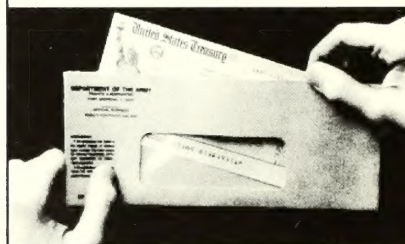
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NOTICE TO ALL MEMBERS

The Bylaws Committee of the Medical Alumni Association has recommended the following changes to the bylaws. New language is indicated with underlining; language to be deleted is in parentheses. The Board will discuss these recommendations on March 22 and a final vote will be taken at the Annual Meeting on Saturday, May 7 at 10 a.m. in Davidge Hall. Please contact the Executive Director or any member of the Board of Directors prior to May 7 with your comments.

Article I, Section 3: The President-elect will succeed the President in office and will share ex-officio membership on all standing committees with the First Vice President as requested by the President. (...serve as an ex officio member on all committees.)

Article I, Section 6: The First Vice President shall share with the President-elect the ex-officio membership on all committees and will succeed the President-elect in office. The First Vice President shall serve as Fund Raising Chairman for the year.

Article I, Section 9: Delete. Renumber current section 10 as section 9.

Article VII, Section 1:

a.(2) The President shall appoint at least three members, one of whom shall be designated chairperson.

b.(2) The President shall appoint at least three members to serve with the Treasurer and shall annually designate the chairperson of the committee. The Treasurer cannot be chairperson of this committee.

d.(3) The committee shall be composed of the President and at least three members, each of whom shall serve three years. The President shall name a committee chairperson each year from among the members. (The three members will each serve three years, but on a rotating basis, so that in a given year one new member shall be appointed by the current President and the outgoing member shall act as chairperson of the committee the year his/her term expires.)

e.(2) The President shall appoint at least three members, one of whom shall be designated chairperson. (...a co-chairperson who will work with the chairperson appointed the preceding year by the immediate past president.)

g.(2) The committee shall consist of the two immediate past Presidents, along with at least three additional members appointed by the current President. The chairperson shall be the most recent past President. (It shall consist of the two immediate past presidents, the senior presiding, and three members elected from the floor at the annual meeting. The three elected members may not succeed themselves as members of this committee until an interval of five years shall have elapsed.)

Class Notes, continued

MBA from Marist College in Poughkeepsie last year.

1978

Philip A. Ades of Shelburne, VT writes that he, his wife Deborah Rubin, M.D. and their three children: Rebecca (9), Jimmy (8) and Anika (1-1/2) are all doing well. Ades is the clinical editor of the *Journal of Cardiopulmonary Rehabilitation*. **John C.**

Chatlos of Old Bridge, NJ is an assistant professor in the clinical psychiatry department's division of child psychiatry at the University of Medicine and Dentistry of New Jersey in Newark.

Franklin M. Douglass of Conroe, TX has two children: Diandra (2) and Marshall (5).

1979

Nelson N. Stone of Suffern, NY continues a commitment begun five years ago to devote his time to basic and clinical research on prostate cancer and to the national screening program that has evaluated over 500,000 men.

1980

Robert P. Cervenka of Manchester, NH is chairman of the department of obstetrics and gynecology at the Elliott Hospital in Manchester.

1981

Neal Friedlander of Baltimore, MD was appointed vice president of medical affairs at the Children's Hospital Center for Reconstructive Surgery, with a mandate to develop the center's capability to treat all types of patients. He was previously president of the medical staff at Mercy Medical Center in Baltimore. **Lauren Schnaper** of Lutherville, MD is the director of student education in the department of surgery at the University of Maryland School of Medicine. Last October, during Breast Cancer Awareness Month, Dr. Schnaper was part of a panel of physicians and patients that appeared on "Front Page," a WJZ-TV public service program in Baltimore.

1982

James D. Holt of Lancaster, SC practices family medicine in a five-man group practice. He and wife Judy expect their fifth child next August. **Susan A. Stuart** of Gallup, NM is chief of general surgery at Gallup Indian Medical Center. **Robert E. Carr** has recently moved to Villanova, PA with his wife Tammy. Their son Chris lives in Australia where he trades futures on the Sydney exchange.

Class Notes, continued

1987

Roger M. Stone assumed the post of associate emergency medical services director for Carroll County, MD and continues his work in the emergency departments of Carroll County, Franklin Square and Atlantic General Hospitals as a staff physician.

1989

Stephen F. Hatem of Hackensack, NJ has accepted a 1994-95 fellowship at the Mallinckrodt Institute of Radiology of Washington University at St. Louis, MO in musculoskeletal radiology.

1991

Jennifer Hollywood of McLeansville, NC writes that she will finish her family practice residency next September and is looking for a group to join at that time. She, her husband Jeff Pevey and their

daughter Melissa (2) look forward to moving back to Maryland. **Cheryl Bernadette Iglesia** of Jacksonville Beach, FL is a third-year OB/GYN resident at the University of Florida in Jacksonville, and her husband, **Jonathan L. Lessin '90**, is chief resident in anesthesiology at the University of South Florida in Tampa. They were married last July in McDonogh, MD.

Keep in Touch

We enjoy hearing from alumni and hope you enjoy reading about the professional accomplishments and personal milestones of your colleagues. Please help keep us informed. Write to Class Notes Editor, Medical Alumni Association, 522 West Lombard Street, Baltimore, MD 21201. Or, get in touch by phone, 410-706-7454, or FAX, 410-706-3658.



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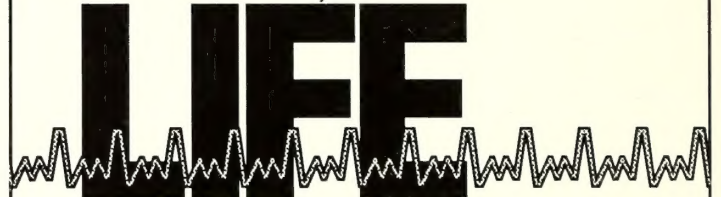
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Faculty and Staff News

Eli Y. Adashi, M.D., professor and director of the division of reproductive endocrinology, department of obstetrics and gynecology, presented the Griff D. Ross Memorial Lectureship at the National Institutes of Health. Dr. Adashi was also elected associate editor for the new journal of the Society for Gynecologic Investigation.

Pamela J. Amelung, M.D. '87, recently received a research training fellowship from the American Lung Association for her commitment to an academic career.

John C. Baer, M.D., assistant professor of ophthalmology, has been named acting chair of the department of ophthalmology.

Frank M. Calia, M.D., vice dean of the School of Medicine, has been selected for inclusion in *The Best Doctors in America*. The listing was the result of a nationwide, year-long poll of physicians in every medical specialty. Dr. Calia was also recently elected to membership in the American Clinical and Climatological Association.

William T. Carpenter Jr., M.D., **Robert W. Buchanan, M.D.**, **Brian Kirkpatrick, M.D.**, and **Carol Tamminga, M.D.**, of the Maryland Psychiatric Research Center, department of psychiatry, recently co-authored an article on schizophrenia that appeared in the American Medical Association's *Archives of General Psychiatry*.

Maimon N. Cohen, M.D., chief, division of human genetics in the departments of OB/GYN and pediatrics, served as co-director of a delegation of geneticists to China and Mongolia. The group, with 40 participants representing eight countries, formed part of the People-to-People Citizen's Ambassador program initiated by Dwight D. Eisenhower. They traveled to Beijing, Ulanbataar and Shanghai, meeting with local counterparts to discuss genetics education, collaborative research projects and the organization and delivery of clinical genetic services.

Susan Cohen and **Bill Whiteford** of the University of Maryland at Baltimore Video Press had four of their films selected to show to 13,000 attendees at the American Public Health Association's 11th Film Festival.

Marge Epperson-SeBour, recently received the U.S. Public Services Department of Health and Human Services' Outstanding Accomplishment Award for outstanding service in leading the mental health response following Hurricane Andrew.

John B. Gordon, M.D. recently received a research grant from the American Lung Association to study hypoxic pulmonary vasoconstriction (HPV) in children and newborns.

Lisa Horton, M.D., assistant professor, department of pediatrics, recently appeared on WEAA-FM's "Community Health Beat" and presented an update on health care for the homeless.

Kenneth Johnson, M.D., chairman of the department of neurology in the School of Medicine, has introduced physicians in several areas of the world to beta interferon therapy for early stages of multiple sclerosis. This treatment is the first to alter the course of the disease and was developed in large part at UMAB. In September, Dr. Johnson spoke to the World Congress of Neurology in Vancouver, British Columbia. During October, he addressed the Argentine Congress of Neurology in Cordoba,

Argentina, and later spoke to the European MS Association in Florence, Italy. In November, he was the keynote speaker at the Annual Leadership Conference of the national Multiple Sclerosis Society in Denver, Colorado.

Joseph McLaughlin, M.D. '56, head of thoracic and cardiovascular surgery, was recently honored as the recipient of Poly-Western High School's Distinguished Alumni Award. Dr. McLaughlin is a 1949 graduate of Baltimore Polytechnic Institute. More than 700 people attended the award dinner. Dr. McLaughlin also recently returned from Kuwait where he chaired a panel at an international symposium on lung cancer sponsored by the World Health Organization. He is also serving as a consultant to the Agkhan University in Karachi, Pakistan, where an open heart surgery program is being developed.

Several Medical Center researchers made presentations at the annual Radiologic Society of North America meeting in early December: **Stuart Mirvis, M.D.**; **Kathirkamanat Shanmuganathan, M.D.**; **Michael Rothman, M.D.**; **Charles White, M.D.**; **Gregg**

Zoarski, M.D.; and O. Clark West, M.D. The exhibit was divided into diagnostic imaging of thoracic, abdominal and nervous system trauma. Two other exhibits done by Philip Templeton, M.D., acting chairman of diagnostic radiology, along with Melissa Rosado-de-Christenson, M.D., received awards.

Also giving presentations or exhibits from the Medical Center were Kathryn Grumbach, M.D.; Roger Voigt, M.D.; Roger Sanders, M.D.; Soledad Griffin, M.D.; Phillip Haney, M.D.; Michael McDermott, M.D.; Charles White, M.D.; Seena Aisner, M.D.; Fitoshi Mihara, M.D.; Dennis Sorace, M.D.; Yuji Numaguchi, M.D.; Michael Rothman, M.D.; Jeff Pruett, M.D.; Simeon Goldblum, M.D.; Robert Ord, M.D., D.D.S.; Stewart Bergman, D.D.S.; Eliot Siegel, M.D.; Robert Allman, M.D.; Ma Kui, M.D.; and Patricia DeMille, M.D.

Hillel S. Panitch, M.D., professor of neurology in the School of Medicine, spoke to the Harford County MS Self-Help Group in October. Dr. Panitch has studied beta interferon in people with relapsing-remitting MS for more than six years.

State Department of Health and Mental Hygiene Secretary Nelson Sabatini has named Mark Pecevich, M.D. as superintendent of the 371-bed Spring Grove Hospital Center, which serves mentally ill residents of Baltimore and Harford counties. Dr. Pecevich is also an associate professor in the department of psychiatry.

Gregory Robinson has assumed responsibility for all personnel functions in the dean's office. His new title is assistant dean for operations and human services.

Bonita Stanton, M.D., professor of pediatrics, recently testified before the House Government Operations Subcommittee on Human Resources. Dr. Stanton presented findings of her research on violence and urban adolescents and explained the role medical education has played in addressing issues related to the health effects of violence on behalf of the Association of American Medical Colleges (AAMC).

A number of faculty members from the department of psychiatry and the Maryland Psychiatric Research Center participated in the American Psychiatric Association's 45th Institute on H&CP, titled *"PsychoEconomics: Clinical*

Psychiatry and Health Care Reform in the '90s." Speakers on the topic of *"Schizophrenia: from A to Z"* included John Talbott, M.D., chairman, department of psychiatry, Anthony Lehman, M.D., and Howard Goldman, M.D.

Donald E. Wilson, M.D., dean of the School of Medicine, has been selected to

become a Master in the American College of Physicians. Memberships are given to those who have made distinguished contributions to the medical profession because of personal character, positions of honor and influence, eminence in practice or in medical research, or other attainments in science or the art of medicine.

Coming Events

Wednesday, April 6

Martin Helrich Lecture
Paul G. Barash, M.D.
"Preoperative Evaluation of the Cardiac Patient for Non-Cardiac Surgery"
Chemical Hall, 5:00 p.m.

Thursday, April 7

Theodore Woodward, M.D.
Lecture
June E. Osborne, M.D.
Professor of Pediatrics and Epidemiology
University of Michigan
Chemical Hall, 5:00 p.m.

Tuesday, April 19

UMAB Current Issues Forum
Alternative Medicine: Fringe, Fad or Frontier
Brian Berman, M.D.
Director of the Laing/UMAB Complementary Medicine Project
Westminster Hall, 7:30 a.m.
(Call 410-706-8035)

Thursday, April 21

Orioles Baseball Game & pre-game picnic
Davidge Hall lawn/Camden Yards stadium, 5:00 p.m.
Baltimore

Thursday, May 5

UMAB Current Issues Forum
Brave New World or Ethical Quagmire?:
Genetic Technology Today
Joann A. Boughman, PhD,
Moderator
Vice President for Research,
Dean, Graduate School
(Call 410-706-8035)

Thursday, May 5

University of Maryland
Surgical Society
Biennial meeting, 1:00 p.m.
R Adams Cowley Auditorium
Banquet, 7:00 p.m.
Harbor Court Hotel

Saturday, May 14

Isadore A. Siegel Lecture
Joe Leigh Simpson, M.D. and Ernst W. Bertner, chairman and professor
Baylor College of Medicine, Houston, TX
"The Future of Prenatal diagnosis: Preimplantation genetics using IVF noninvasive techniques"
Chemical Hall, 10:00 a.m.

In Memoriam

Harry H. Epstein '25
Woodland Hills, CA
September 1993

Abraham Jacobs '29
New York, NY
July 1993

David M. Spain '36
New York, NY
October 1993

Charles B. Hooker '39
Springdale, AR
November 1993

George S. Baker '33
Litchfield Park, AZ
November 13, 1993
Dr. Baker served an internship and residency at the University of Maryland Hospital before entering the Mayo Graduate School of Medicine. He was a neurosurgeon who specialized in the treatment of back pain and he served as chairman of the department of neurological surgery at the Mayo Clinic prior to his retirement. During his career he held full professorships and had more than 75 papers published. A former president of the American Academy of Neurological Surgery, Dr. Baker was also a member of the American Board of Neurological Surgery and an honorary member of the Italian Society of Neurological Surgery. During World War II, Dr. Baker served in the Army Medical

Corps. Among those who survive him are his wife, two sons and a daughter.

Leon A. Kochman '33
Laguna Hills, CA
October 29, 1993
Dr. Kochman specialized in geriatric rheumatology after an internship at Mercy Hospital in Baltimore. He enjoyed music, painting, golf, travel and theater. Among the survivors are his wife, two daughters, six grandsons and ten great-grandchildren.

Daniel Wilfson Jr. '36
Waynesburg, PA
October 9, 1993
After an internship at Sinai Hospital in Baltimore, Dr. Wilfson was a major in the Army Reserves Medical Corps during the early part of World War II. He was chief physician for the Baltimore City Police Department from 1957 until 1984 and served as personal physician to former Maryland Governor Millard J. Tawes. In his spare time, Dr. Wilfson enjoyed gardening. He is survived by his wife and five daughters.

John Z. Bowers '38
Lakewood, NJ
October 18, 1993
Dr. Bowers interned at the University of Maryland Hospital where he was a resident in internal medicine before moving on to a one-year residency in pathology at

the New England Deaconess Hospital. After training he became a distinguished educator, scientist and researcher. Dr. Bowers' medical career was interrupted in 1941 by World War II, during which he served in Europe and Asia. Prior to his return to Baltimore, he received the Legion of Merit for combat and the Purple Heart; he left the Navy Medical Corps with the rank of commander. At age 37, he became the youngest medical school dean ever named in this country. His career included posts as assistant professor of medicine at the Johns Hopkins University School of Medicine; dean and professor at the University of Utah College of Medicine; dean of the University of Wisconsin Medical School; visiting professor at the University of the Philippines; and visiting professor at Kyoto University in Japan. President Eisenhower appointed him to the President's Health and Resources Advisory Committee.

From 1965 until 1980, Dr. Bowers was president of the Josiah Macy Jr. Foundation of New York; under his guidance programs were instituted to bring more women and minority students into medical practice and education. Numerous fellowships, awards, honorary degrees and honors

were bestowed upon him, and he authored many books dealing with the historical and sociological aspects of medicine and medical education. Surviving are his wife, two sons, a daughter and four grandchildren.

Harry M. Beck '39
Baltimore, MD
December 3, 1993
Dr. Beck served his internship and residency in OB/GYN at Mercy Hospital in Baltimore. During World War II, he served with the Army Air Corps in Europe with the 240th General Hospital Unit and attained the rank of major. After his military discharge in 1946, Dr. Beck became chief of the obstetrics and gynecology unit at what then was Fort Meade General Hospital and joined the teaching staff at the University of Maryland School of Medicine. His medical career spanned nearly 50 years and during that time he served on several hospital staffs in Baltimore. Dr. Beck was a member of numerous medical societies and was the long-time secretary-treasurer to the Maryland Obstetrics and Gynecology Society and the Medical and Chirurgical Faculty of Maryland. He was a diplomate of the American Board of Obstetrics and Gynecology. Dr. Beck is survived by his wife, two daughters, a son and eight grandsons.

Bernard S. Kleiman '39

Baltimore, MD

October 26, 1993

Dr. Kleiman followed an internship at St. Joseph Hospital in Baltimore with residencies at Washington University Hospital in St. Louis and Queens General in New York City. He began practicing as an ear, nose and throat specialist at St. Joseph after serving in the Army Medical Corps from 1945 until 1947. In the early 1960s, he pioneered the use of a surgical procedure to replace the stapes, or stirrup bone, with a piece of plastic to restore hearing by allowing the three bones to move freely again after having been frozen from bone-like growth. Dr. Kleiman was a past president of the Baltimore County Medical Society and a member of the Medical and Chirurgical Faculty of Maryland. His wife, daughter and two sons are among the survivors.

William W. Guthrie '44

Montreat, NC

November 24, 1993

Dr. Guthrie completed his internship at Newark City Hospital in Newark, NJ and one year of surgical residency at Presbyterian Hospital in Newark. After two years of service in the Army, Dr. Guthrie was discharged in 1948 and he practiced family

medicine in Huntington, WV until 1985 when he retired.

Dr. Guthrie was very active in World Missions in the Presbyterian Church. One of three generations to attend the University of Maryland School of Medicine, he was the son of Dr. Joseph A. Guthrie '03, and the father of Dr. Robert Guthrie '74. He is survived by his wife, three sons and eight grandchildren.

William H. Mosberg Jr. '44

Baltimore, MD

December 27, 1993

Dr. Mosberg began a residency at the University of Maryland Hospital that was interrupted by two years in the Army, where he was a captain and served in the European Theater of Operations. He completed his neurosurgical residency in 1949.

Dr. Mosberg's medical career took him to three continents outside North America and to several island countries, but he eventually returned to the University of Maryland to teach neurosurgery and practice privately. He wrote a myriad of articles for medical publications and in the early 1960s was editor-in-chief of *Clinical Neurosurgery*, a medical journal with worldwide distribution. He served on the boards of three other medical publications, including *The Bulletin*. He was a past president of the Congress of

Neurological Surgeons and a recipient of several other medically related honors. The highlight of Dr. Mosberg's career came last year when the American Association of Neurosurgical Surgeons made him a recipient of its Humanitarian Award. Surviving are his wife, three sons, three daughters and 11 grandchildren.

Millard T. Traband Jr. '44

Gloucester, VA

October 10, 1993

After completion of an internship and residency at the University of Maryland Hospital, Dr. Traband practiced medicine in West Baltimore and Baltimore County for 36 years. During World War II, he served in the Army Medical Corps, rising to the rank of captain. A fellow of the American Academy of Family Practice, Dr. Traband was also a member of several medical associations. Before retiring in 1982 he served on the staffs of Maryland General Hospital and the Northwest Hospital Center, and taught at the University of Maryland School of Medicine. Among those surviving Dr. Traband are his wife and two daughters.

Joseph B. Ganey '45

Bradenton, FL

November 3, 1993

Dr. Ganey served a six-year surgical residency at the University of Maryland Hospital, and a two and a half year stint as an officer in the U.S. Army Medical Corps prior to his return to Bradenton in 1952. There he founded the first surgical group practice in the area. He was chief of surgery at Manatee Memorial Hospital and went on to become chief of staff. He served as president of the Manatee County Medical Society, chaired the Florida State Committee on Credentials for Young Surgeons and was a member of numerous medical societies and community organizations. Through his generosity to the School of Medicine, Dr. Ganey made possible the establishment of the Dr. George H. Yeager Distinguished Lectureship Fund. Manatee County bestowed its highest honor upon Dr. Ganey in 1989 when he was named its Distinguished Citizen of the Year. A devoted husband and father, Dr. Ganey's survivors include his wife, two daughters and three sons. It is no coincidence that Dr. Ganey's three sons followed in his footsteps to become doctors.

In Memoriam, continued

Nathan B. Hyman '46

Baltimore, MD

December 3, 1993

Dr. Hyman served with the Army Specialized Training Program at Fort Belvoir, VA for three years, where he was chief of the department of radiology. Before being discharged in 1949, Dr. Hyman rose to the rank of captain. In 1952, he opened a practice in Baltimore and nine years later merged with two other doctors to establish Copeland, Hyman and Shackman — a practice that grew to be one of the mid-Atlantic's largest and most comprehensive radiology groups. Dr. Hyman was a past president of the Maryland Radiological Society and was active in the American College of Radiology, the Baltimore City Medical Society and the Medical and Chirurgical Faculty of Maryland. He was named a fellow in 1977 by the American College of Radiology. He was assistant professor of radiology at the University of Maryland School of Medicine and the Johns Hopkins University School of Medicine. Dr. Hyman's survivors include his wife, two sons and a daughter.

Samuel J. Mangus '56

Yorktown, VA

November 9, 1993

Dr. Mangus retired from the Army in 1978 as an internist at Fort Eustis VA Hospital. He remained on staff as a civilian employee in charge of the outpatient clinics until 1991. Dr. Mangus was a veteran of the Korean War who completed his medical education after that conflict. In the early 1960s he returned to the Army as a Medical Corps officer at the Kimbrough Army Hospital at Camp Meade, MD. His decorations include the Legion of Merit. Among the survivors are his wife and four daughters.

Michael E. Sanders '71

San Jose, CA

September 23, 1993

His love for delivering babies made Dr. Sanders' career choice an easy one. Immediately after graduation he took a three-year OB/GYN residency at the University of Maryland Hospital before putting his specialty to work at Elmendorf Air Force Base in Anchorage, Alaska. There he served in the Air Force until 1976. Dr. Sanders then practiced briefly in San Luis Obispo before moving to San

Jose in 1978. Friends remember that "he practiced his medicine with his mind and his heart," and since "the dollar was not the bottom line for him," many special relationships were developed with his patients. A regular consultant at the Good Samaritan Hospital, Dr. Sanders was active on various hospital committees and was highly respected by other physicians. Among those surviving Dr. Sanders are his wife and three children, who were always his first priority.

Errata

In the winter issue, *In Memoriam* incorrectly identified Dr. Abraham Gellar '27 as Andrew Geller '28. We also neglected to note that Dr. Gellar is survived by his great-niece, Gail Karan, and great-nephew, Irvin Karan, in addition to his niece, Mrs. Goldie Karan.

In the Honor Roll for 1992-93, we inadvertently omitted the name of Bennett L. Lavenstein '70 from the Dean's List section. Also, Bernard Friedman '28 should have been listed as a member of the James Carroll Society for last year in recognition of his generous Reunion gift.

We sincerely regret the errors.

FACULTY AND FRIENDS

Nassar Javadpour, M.D.

October 26, 1993

Dr. Javadpour joined the University of Maryland medical faculty in 1983 as clinical professor and head of the division of urological oncology, and continued this appointment until the time of his death. Dr. Javadpour was an internationally known authority in urological oncology and will be severely missed by his colleagues.

He is survived by his wife, Kathleen, son Brian and daughters, Dana and Tera.

Bess Caplan

1993

Mother of Louis R. '62 and Howard S. Caplan '69, Mrs. Caplan was a loyal friend to the medical alma mater of her sons.

Student News

Winners in the 16th Annual Medical Student Research Day included: **Angelos Manganiotis (II)**, **Heidi Ginter (I)**, **Walter Wojcik (II)** and **Kin Lun Lui (II)** for their oral presentations, and **Stephanie Silverman (II)**, **Katherine Noe (II)**, **Ramona Swaby (MSII)** and **Martin Slodzinski (M.D./Ph.D. program)** for their poster presentations.

The American Medical Student Association (AMSA) has appointed School of Medicine sophomore **Paul Yung** as coordinator of its National Legislative Affairs Standing Committee. AMSA is the largest independent national organization developed and governed by medical students, with more than 30,000 members.

The class of 1995 was honored at the annual Bull and Oyster Roast on Friday, October 15 at the University of Maryland School of Medicine Teaching Facility. Roasted pit beef and Maryland seafood specialties were followed by dancing to music played by a local DJ. Both alumni and students greatly enjoyed the evening.



**Annual Bull
and Oyster
Roast**



Student News

On Thursday, January 6 we celebrated the new year with an international buffet honoring the Class of 1996 in the new VA Medical Center. Tours of the center were a highlight of the evening, along with an impromptu birthday celebration for Association President Harry Knipp '76.

We were especially gratified to see many faculty and local alumni turn out to meet the sophomore class and enjoy the excellent food prepared by the VA's own catering staff.

You've seen many mentions of the Association's Student Advisory Committee in these pages, so we thought it was time to give our readers a look at some of them. This incredibly energetic group of students, (lower right) has brought new life to our annual student parties and provides valuable assistance for many other Association efforts as well. Thanks to each and every one!

International Night



MAA Student Advisory Committee: (left to right) Scott LaBorwit '94 (Chairman), Jim Wang '96, Lisa Cannada '96, Maureen Burdett '96, Gail Granof '95, Nicholas Meyer '97, Suman Mishra '95, Kadir Erkman '97, Jim Hur '97
Absent from picture: Kathleen Flores '94, Andrew Smock '94, Kay Layten '95

OUT AND ABOUT



On November 2, Dr. and Mrs. Michael Berman joined us as host and hostess for a reception in Washington, D.C. in connection with the annual meeting of the American Academy of Pediatrics.

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21	11.50	11.40	18.75	18.55	35.42	35.00	68.75	67.92
22	11.50	11.40	18.75	18.55	35.42	35.00	68.75	67.92
23	11.50	11.40	18.75	18.55	35.42	35.00	68.75	67.92
24	11.50	11.40	18.75	18.55	35.42	35.00	68.75	67.92
25	11.50	11.40	18.75	18.55	35.42	35.00	68.75	67.92
26	11.50	11.40	18.75	18.55	35.42	35.00	68.75	67.92
27	11.50	11.40	18.75	18.55	35.42	35.00	68.75	67.92
28	11.50	11.40	18.75	18.55	35.42	35.00	68.75	67.92
29	11.50	11.40	18.75	18.55	35.42	35.00	68.75	67.92
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31	11.50	11.40	18.75	18.55	35.42	35.00	68.75	67.92
32	11.50	11.40	18.75	18.55	35.42	35.00	68.75	67.92
33	11.50	11.40	18.75	18.55	35.42	35.00	68.75	67.92
34	11.50	11.40	18.75	18.55	35.42	35.00	68.75	67.92
35	11.50	11.40	18.75	18.55	35.42	35.00	68.75	67.92
36	11.80	11.60	19.38	18.96	36.67	35.84	71.25	69.59
37	10.25	11.80	20.42	19.59	38.75	37.09	75.42	72.09
38	10.67	10.09	21.46	20.21	40.84	38.34	79.59	74.59
39	11.17	10.59	22.71	21.46	43.34	40.84	84.59	79.59
40	11.67	11.34	23.96	23.13	45.84	44.17	89.59	86.25
41	12.25	11.67	25.21	23.96	48.34	45.84	94.59	89.59
42	12.84	12.25	26.25	25.21	50.42	48.34	98.75	94.59
43	13.59	12.67	27.71	26.25	53.34	50.42	104.59	98.75
44	14.25	13.00	29.38	27.30	56.67	52.50	111.25	102.92
45	15.35	13.34	31.05	28.13	60.00	54.17	117.92	106.25
46	16.50	14.00	33.13	28.96	64.17	55.84	126.25	109.59
47	17.84	14.67	35.00	30.00	67.92	57.92	133.75	113.75

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48	19.25	15.67	37.50	31.05	72.92	60.00	143.75	117.92
49	20.84	16.92	40.00	32.71	77.92	63.34	153.75	124.59
50	22.75	18.34	42.92	33.96	83.75	65.84	165.42	129.59
51	24.67	19.67	45.84	36.46	89.59	70.84	177.09	139.59
52	26.92	21.00	49.17	39.38	96.25	76.67	190.42	151.25
53	29.34	22.67	52.50	42.30	102.92	82.50	203.75	162.92
54	31.84	24.42	56.67	45.42	111.25	88.75	220.42	175.42
55	34.92	26.25	61.88	48.75	121.67	95.42	241.25	188.75
56	38.34	28.25	67.30	52.30	132.50	102.50	262.92	202.92
57	41.67	30.34	73.55	56.46	145.00	110.84	287.92	219.59
58	45.50	32.75	80.21	61.46	158.34	120.84	314.59	239.59
59	50.09	35.34	88.34	67.30	174.59	132.50	347.09	266.92
60	55.67	37.84	97.71	73.55	193.34	145.00	384.59	287.92
61	62.50	40.34	109.17	80.42	216.25	158.75	430.42	315.42
62	70.34	43.34	121.46	88.75	240.84	175.42	479.59	348.75
63	78.75	46.92	135.42	98.55	268.75	195.00	535.42	387.92
64	87.75	51.34	150.84	109.80	299.59	217.50	597.09	432.92
65	96.84	56.17	168.13	121.88	334.17	241.67	666.25	481.25
66	106.17	60.84	187.30	131.46	372.50	260.84	742.92	519.59
67	115.17	65.50	207.30	141.46	412.50	280.84	822.92	559.59
68	125.17	69.67	229.59	152.09	457.09	302.09	912.09	602.09
69	137.17	72.92	257.30	159.59	512.50	321.25	1022.92	640.42
70	152.92	75.42	292.50	170.42	582.92	338.75	1163.75	675.42
71	171.34	82.42	332.92	187.30	663.75	372.50	1325.42	742.92
72	192.09	91.00	378.75	207.92	755.42	413.75	1508.75	825.42
73	215.50	102.09	430.21	234.38	858.34	466.67	1714.59	931.25
74	241.42	115.75	486.88	266.46	971.67	530.84	1941.25	1059.59
75	269.92	131.42	549.17	302.92	1096.25	603.75	2190.42	1205.42

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27	16.59	16.09	34.38	31.25	66.67	60.42	131.25	118.75
28	16.59	16.09	34.38	31.25	66.67	60.42	131.25	118.75
29	16.59	16.09	34.38	31.25	66.67	60.42	131.25	118.75
30	16.59	16.09	34.38	31.25	66.67	60.42	131.25	118.75
31	16.84	16.09	35.00	31.25	67.92	60.42	133.75	118.75
32	17.09	16.09	35.63	31.25	69.17	60.42	136.25	118.75
33	17.42	16.09	36.25	31.25	70.42	60.42	138.75	118.75
34	17.67	16.09	36.88	31.25	71.67	60.42	141.25	118.75
35	17.92	16.09	37.30	31.25	72.50	60.42	142.92	118.75
36	18.59	16.42	38.96	32.30	75.84	62.50	149.59	122.92
37	19.59	16.84	41.25	33.34	80.42	64.59	158.75	127.09
38	20.59	17.17	43.75	34.38	85.42	66.67	168.75	131.25
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40	23.17	19.50	50.00	39.80	97.92	77.50	193.75	152.92
41	24.84	20.34	53.96	41.67	105.84	81.25	209.59	160.42
42	26.42	21.42	57.71	44.17	113.34	86.25	224.59	170.42
43	28.34	22.42	61.67	46.46	121.25	90.84	240.42	179.59
44	30.50	23.25	66.67	48.75	131.25	95.42	260.42	188.75
45	33.25	24.00	72.09	50.63	142.09	99.17	282.09	196.25
46	35.42	25.00	76.05	51.88	150.00	101.67	297.92	201.25
47	37.84	26.00	80.00	53.55	157.92	105.00	313.75	207.92

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48	40.42	27.50	84.80	55.42	167.50	108.75	332.92	215.42
49	43.17	29.42	89.59	57.92	177.09	113.75	352.09	225.42
50	46.50	31.67	95.00	60.42	187.92	118.75	373.75	235.42
51	49.34	34.00	101.05	64.59	200.00	127.09	397.92	252.09
52	52.25	36.34	107.09	69.17	212.09	136.25	422.09	270.42
53	55.42	39.34	113.75	74.17	225.42	146.25	448.75	290.42
54	58.50	42.34	121.88	79.38	241.67	156.67	481.25	311.25
55	62.25	45.67	131.67	84.59	261.25	167.09	520.42	332.09
56	68.34	49.50	140.21	90.42	278.34	178.75	554.59	355.42
57	74.34	53.50	149.38	97.71	296.67	193.34	591.25	384.59
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59	89.59	63.34	170.42	116.25	338.75	230.42	675.42	458.75
60	99.50	68.34	183.55	127.30	365.00	252.50	727.92	502.92
61	111.84	73.00	204.17	139.17	406.25	276.25	810.42	550.42
62	125.92	78.42	226.67	153.75	451.25	305.42	900.42	608.75
63	141.17	84.92	251.88	170.63	501.67	339.17	1001.25	676.25
64	157.34	93.00	280.00	190.21	557.92	378.34	1113.75	754.59
65	173.67	102.00	310.84	211.46	619.59	420.84	1237.09	839.58
66	190.50	110.92	344.38	228.55	686.67	455.00	1371.25	907.92
67	206.67	119.84	378.55	247.09	755.00	492.09	1507.92	982.08
68	224.67	128.00	417.09	266.67	832.09	531.25	1662.09	1060.42
69	246.34	134.59	464.38	284.80	926.67	567.50	1851.25	1132.92
70	274.75	139.67	525.00	301.46	1047.92	600.84	2093.75	1199.59
71	307.75	151.34	597.71	332.30	1193.34	662.50	2384.59	1322.92
72	345.09	164.59	680.21	370.00	1358.34	737.92	2714.59	1473.75
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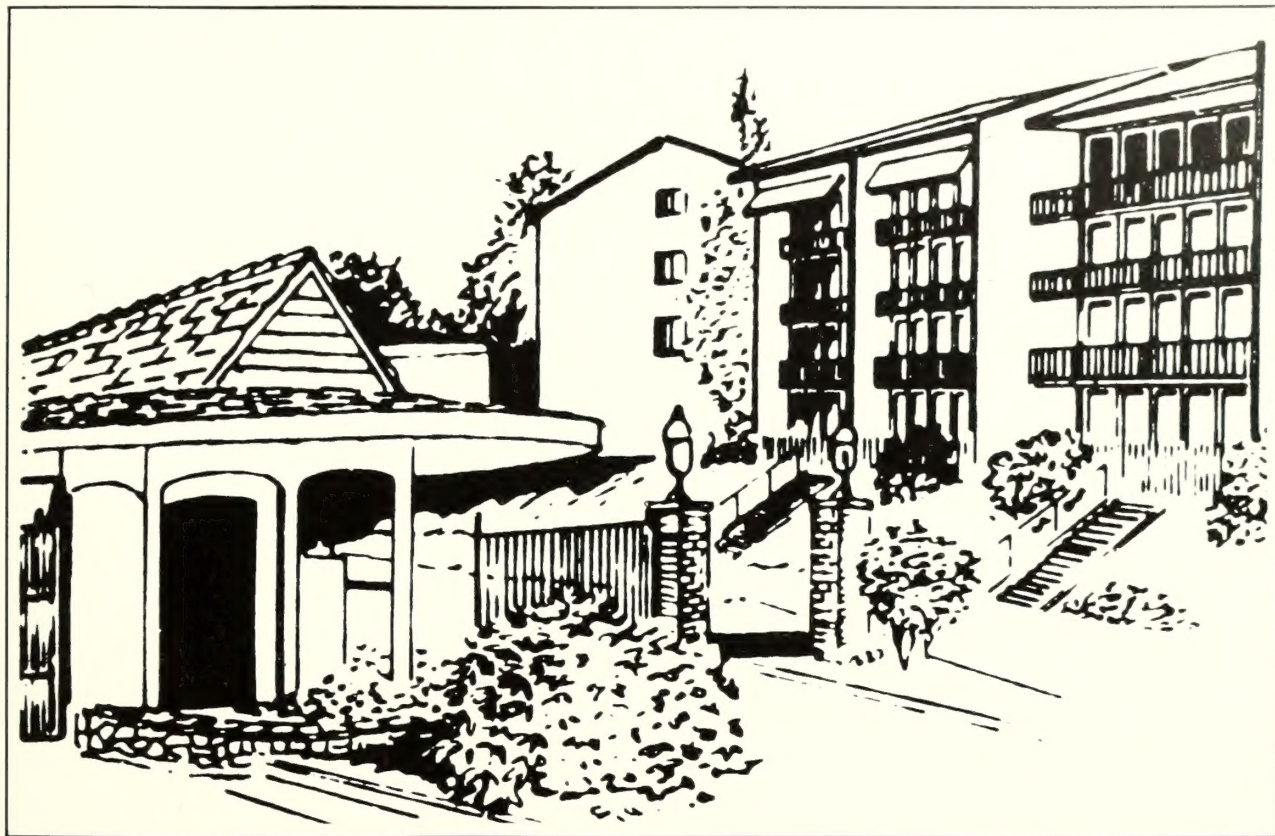
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events and tours.

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Cover photograph by Michael Northrup

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410-706-7454, 410-706-3658 FAX

Message from the Dean



Donald E. Wilson, M.D., Dean

While I have addressed curriculum reform in this column on other occasions, perhaps I have not clearly stated my own position as to why reform is so necessary—particularly now.

One of the most important challenges for medical educators is to be certain that we are educating students to fulfill the current and anticipated needs of our society. We must also prepare students to cope with the ever-changing knowledge requirements of the profession. Curriculum reform has been debated for years at medical schools across the country, and it is long overdue at the University of Maryland School of Medicine. In 1983, the Liaison Committee for Medical Education cited the School of Medicine for its lack of curriculum advancement, and was indeed surprised when they returned in 1991 to find that little progress had been accomplished.

The curriculum of the School of Medicine originates with the faculty and must be responsive to the needs of our students and our community. The overall responsibility for the curriculum rests with the Curriculum Committee which represents the faculty and students. Curricula do not originate from administration. However, adminis-

tration has the final responsibility to be certain that the curriculum is appropriate.

Our current curricular reform is expected to take three years to complete, with the understanding that curriculum change is an ongoing and continuous activity. While some changes in the curriculum for the first two years of medical school will occur with the 1994 entering class, the curricular changes will not be complete before the 1996-97 academic year. Most of the changes in the clinical years will not occur until 1996-97 and will not be complete until 1997-98.

While we must be careful to move cautiously and appropriately, we must revise our curriculum and we must be sensitive to the overall needs of the institution and the communities which we and our students serve.

In the meantime, as you may imagine, any curricular change will have tremendous implications for faculty. We anticipate a greater demand for teaching time, and expect to become more heavily dependent on volunteer faculty. Because of an increased focus on learning in an ambulatory setting, we hope to give students experience in clinics, area health education centers (AHECs), physicians' offices, faculty practices and HMOs and in rural and urban settings.

We understand that this will require new and creative ways to reward faculty and, to that end, the Appointments, Promotions and Tenure Committee, along with the chairs of the Recruitment and Retention and Curriculum Revision subcommittees of the Strategic Planning Committee are now gathering information on how we might go about this.



As you may have read in the last issue of *The Bulletin*, David Ramsay, D.M., D.Phil., has been appointed president of the University of Maryland at Baltimore (UMAB). As I hope you will read in this issue, Eve Higginbotham, M.D. and Ernest Borden, M.D. have joined the faculty as professor and chair of the department of ophthalmology and director of the Cancer Center, respectively.

Also on board in the dean's office is Dr. Claudia Baquet, deputy assistant secretary for minority health in the United States Department of Health and Human Services. Dr. Baquet is on sabbatical for one year and her appointment allows her to share with us her extensive expertise in health care policy reform, particularly as it relates to urban, rural poor

and minority communities.

We also welcomed two new members to our board of visitors, Mr. Michael Cryor and Ms. Sina Reid, both outstanding business people in the Baltimore community. The board has now met three times, and it is clear that their contributions will be invaluable to the School of Medicine and to me.

This year's legislative session went smoothly, thanks in part to the campus' representation by interim president John Ryan. While the School of Medicine faces yet another \$1 million unfunded shortfall in mandated increases in operating expenses and redeployment, there was a salary increase of approximately four percent for the first time in three years. Since most of our faculty are primarily or partially self-supported by clinical practice and research grants, they have been able to continue to receive salary adjustments during the past few years. However, some of our faculty and most of our staff have suffered significant erosion of their income during these hard times.

In a new administrative development, we have established a process to review each department in the School of Medicine every seven years. This external review will focus not only on departmental productivity in

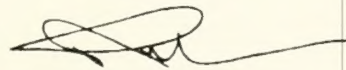
teaching, research and clinical care, but also on its institutional support. These reviews should prove to be quite helpful in improving our overall performance.



Curriculum reform and other new initiatives also require us to be ever more attentive and creative in securing private sector support. While other sources of funding for our School of Medicine remain constant, philanthropy from committed alumni is increasingly important to our continued success. Alumni gifts have already had a tremendous impact on the school's endowment, programs and physical plant and I want to thank you again for your high level of commitment.

I call your attention to *"Ensuring Your Good Wishes: A Guide to Your Will"* (page 4), which may provide a mechanism through which you can be supportive of the school, while at the same time help you to realize maximum charitable giving through estate planning.

As always, your support is greatly appreciated.



Donald E. Wilson, M.D.
Dean

In this issue



Michael Northrup

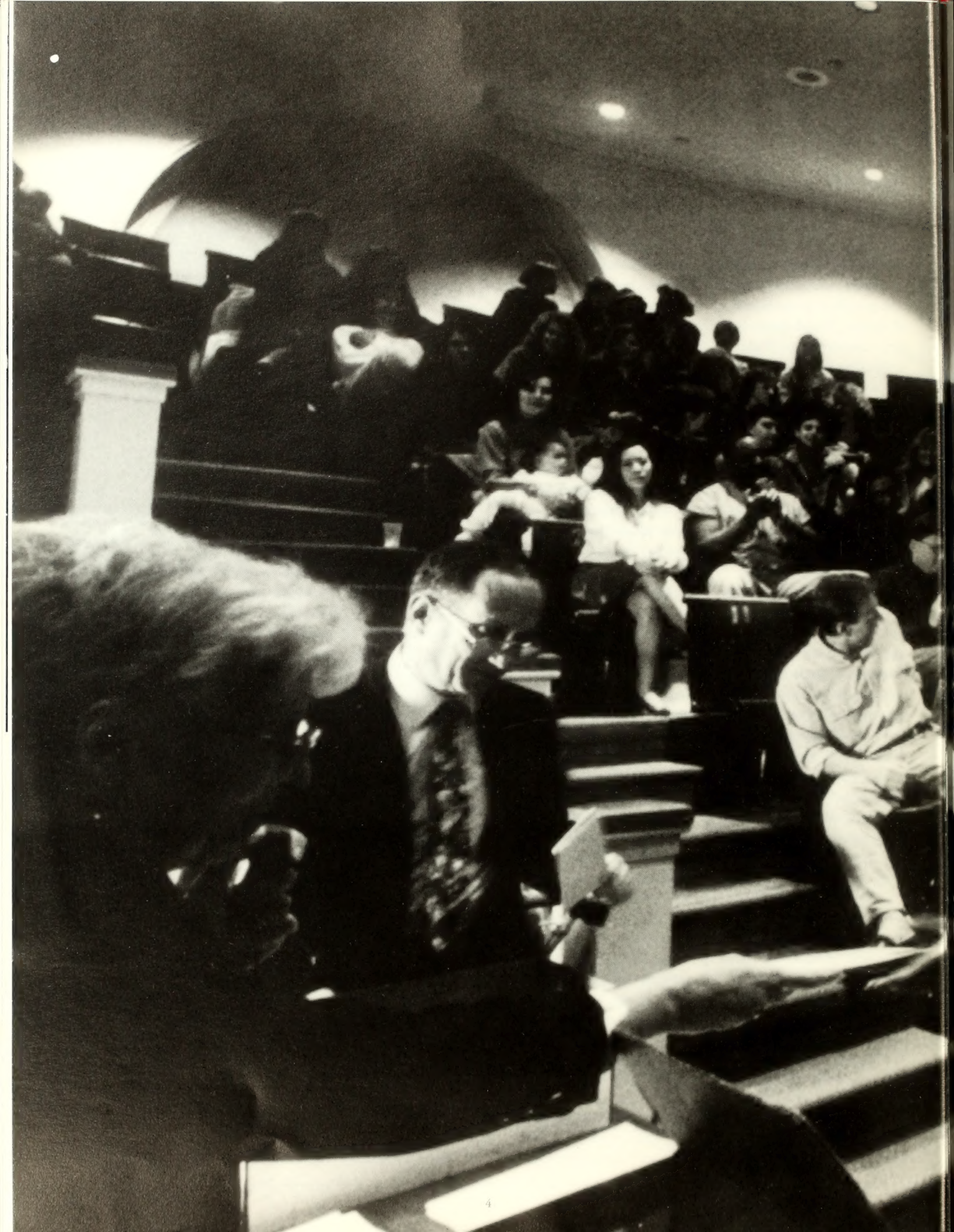
The New Age of Neuroscience

In 1989 President Bush signed into law a joint resolution of Congress declaring the 1990s the "Decade of the Brain." That resolution estimates that 50 million Americans are affected each year by disorders and disabilities involving the brain. It also estimates the annual economic burden to exceed \$300 billion.

The declaration reflects, at least to some extent, society's current view of the brain—of its role in life and death, of its relation to human intelligence, cognition, behavior, values, thought, addiction and mental health. Human curiosity about how the brain works continues to be the impetus for new approaches to understanding the mystery of brain structure and function.

In this issue, we highlight only a few of the many research projects carried out at the University of Maryland School of Medicine, the premier institution in the state for neurosciences. We show not only breakthroughs immediately relevant to neurology and psychiatry—like the promising new drug for multiple sclerosis and an update on the life-saving gamma knife—but scientific developments from current animal studies that provide the foundation to better understand neural activity.

Important not only for clinical applications, neuroscience is critical for understanding human behavior, because all behavior is ultimately an expression of neural activity. Join us as we explore the nervous system—that masterpiece of design with all those magical properties that make life meaningful and exciting.



Match Day 1994



As always, graduates of the
University of Maryland School of
Medicine did exceptionally well in
this year's Match. Nationally, there
are 20,772 positions to fill for first
year graduates with →

PHOTOGRAPHS BY STEVE SPARTANA

15,409 seniors to fill them; the remainder are filled by graduates from other countries or go unmatched. This year, OB/GYN, General Surgery, Orthopedic Surgery, Emergency Medicine and Pediatrics programs across the country experienced a fill rate of 90% or above, while Anesthesiology and Psychiatry continued to have significant unmatched positions. Increases were seen in Family Practice and Internal Medicine program matches, possibly in response to the need for more primary care physicians.

ABINGTON MEMORIAL HOSPITAL
Abington, PA
Kenneth Sibila; Family Practice

BAYLOR COLLEGE OF MEDICINE
Houston, TX
Charlotte Jones; Pediatrics
Santosh Vetticaden; Internal Medicine

BOSTON CITY HOSPITAL
Boston, MA
Christopher Moore; Pediatrics

BOSTON UNIVERSITY SCHOOL OF MEDICINE
Boston, MA
Martine Noukelak; Ophthalmology
Robert Saltzman; Orthopedics

BRIGHAM AND WOMENS HOSPITAL
Boston, MA
John Lippert; Radiology-DX

CAROLINAS MEDICAL CENTER
Charlotte, NC
Patrick Wynnyk; Emergency Medicine

CASE WESTERN RESERVE INTERNATIONAL SCHOOL OF SURGERY
Cleveland, OH
Laurie Lavery; Surgery-Preliminary

CEDARS-SINAI MEDICAL CENTER
Los Angeles, CA
Lauren Berkow; Surgery-Preliminary

CLEVELAND CLINIC
Cleveland, OH
Christopher Riemann; Ophthalmology

DEWITT ARMY COMMUNITY HOSPITAL
Fort Belvoir, VA
Jun Kim; Family Practice



DUKE UNIVERSITY MEDICAL CENTER
DURHAM, NC
Stacy Gittleson; Internal Medicine
Linda Kim; Internal Medicine
David Lindsay; Anesthesiology
Ramin Parsey; Psychiatry

UNIVERSITY MEDICAL CENTER OF EASTERN NORTH CAROLINA
Greenville, NC
Karla Vana; Pediatrics

EASTERN VIRGINIA GRADUATE SCHOOL OF MEDICINE
Norfolk, VA
Mahajabin Ali; Emergency Medicine

FRANCIS SCOTT KEY MEDICAL CENTER
Baltimore, MD
Faina Caplan; Internal Medicine-Primary

FRANKLIN SQUARE HOSPITAL
Baltimore, MD
Konni Bringman; Family Practice
Kathryn Elgin; Obstetrics and Gynecology
Eleni Solos-Kountouris; Obstetrics and Gynecology

GEORGE WASHINGTON UNIVERSITY HOSPITAL
Washington, DC
Dong Lee; Pathology
Creshelle Nash; Internal Medicine-PRM
Yashdip Pannu; Surgery

GREATER BALTIMORE MEDICAL CENTER
Baltimore, MD
Hsiao-Hui Lin; Obstetrics and Gynecology

HAHNEMANN UNIVERSITY HOSPITAL
Philadelphia, PA
Lashauna Bryant; Obstetrics and Gynecology

HENRY FORD HOSPITAL
Detroit, MI
Leonard Kazanov; Emergency Medicine

HERSHEY MEDICAL
CENTER
Hershey, PA
Paul Berger; Surgery-
Preliminary, Urology
Connir McRill;
Ophthalmology

UNIVERSITY OF
MIAMI/JACKSON MEMORIAL
MEDICAL CENTER
Miami, FL
Maria Gema Silencieux-
Cineas; Pediatrics

THOMAS JEFFERSON
UNIVERSITY
Philadelphia, PA
Philip Lim; Radiology-DX

JOHNS HOPKINS HOSPITAL
Baltimore, MD
Cecilia Callahan;
Anesthesiology
Kirsten Brinkmann; Pediatrics

KAISER PERMANETE
MEDICAL CENTER
Oakland, CA
Stephen Howe; Internal
Medicine

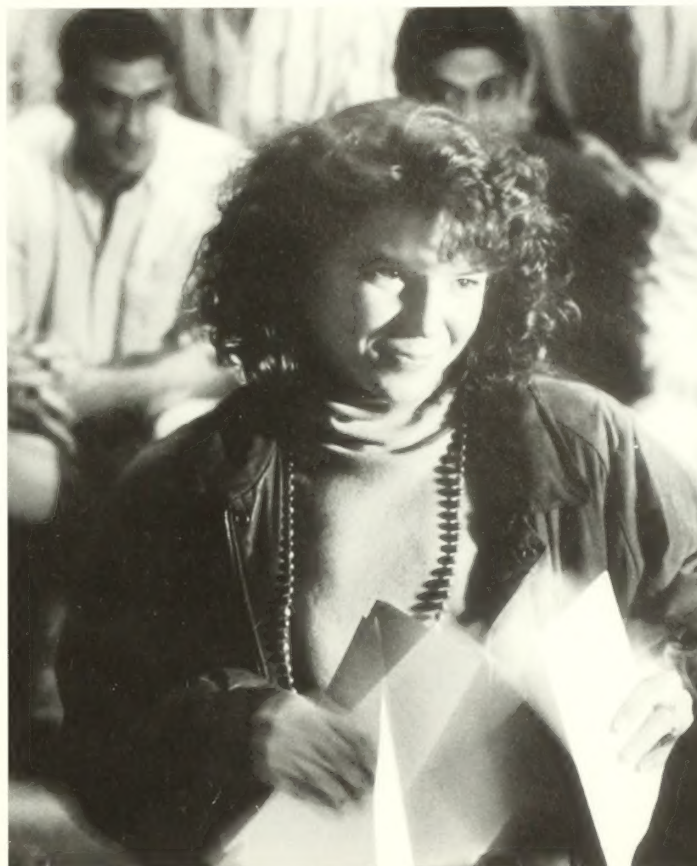
UNIVERSITY OF SOUTHERN
CALIFORNIA
Los Angeles, CA
Kathleen Flores; Radiology-
DX

LANCASTER GENERAL
HOSPITAL
Lancaster, PA
Robert Vandenbosche;
Family Practice

LOUISIANA STATE UNIVER-
SITY MEDICAL CENTER
New Orleans, LA
Thomas Mahan; Surgery

MARYLAND GENERAL
HOSPITAL
Baltimore, MD
Jason Kaplan;
Ophthalmology

MASSACHUSETTS GENERAL
HOSPITAL
Boston, MA
Ronald Silverman; Surgery



MAYO CLINIC
Rochester, MN
Richard Bae; Internal
Medicine

MEDICAL CENTER OF
DELAWARE
Wilmington, DE
Kent Bream; Family Practice
Suzanne Carr; Family
Practice
Hong-Hanh Huong Nguyen;
Obstetrics and Gynecology
Lisa Nguyen; Obstetrics and
Gynecology
Duyanh Vu; Radiology-DX

MEDICAL COLLEGE OF
VIRGINIA
Richmond, VA
Kourosh Baghelai; Surgery
Mary Barcus; Pathology
Aaron Twigg; Physical
Medicine and Rehabilitation

MERCY MEDICAL CENTER
Baltimore, MD
George Hart; Internal
Medicine- Preliminary
Jason Kaplan; Internal
Medicine-Preliminary

Scott LaBorwit; Internal
Medicine-Preliminary
Philip Lim; Internal Medicine-
Preliminary
Thomas Murray; Internal
Medicine-Preliminary
Michael Reinhard; Internal
Medicine; Preliminary
Aaron Twigg; Internal
Medicine; Preliminary

MERCY HOSPITAL AND
MEDICAL CENTER
San Diego, CA
Kathleen Flores; Transitional
Brian Snyder; Transitional

MONTEFIORE MEDICAL
CENTER
Bronx, NY
Denise Parker; Surgery-
Preliminary

MT. SINAI HOSPITAL
Hartford, CT
Eleanor Berry; Obstetrics and
Gynecology

NEW YORK UNIVERSITY
MEDICAL CENTER
New York, NY

Michael Sobel; Psychiatry
Susan Stone; Emergency
Medicine

PEACE CORPS
Shirley Lee

PRESBYTERIAN HOSPITAL
New York, NY
Maureen Baxley; Pediatrics

SHEPPARD PRATT
HOSPITAL
Baltimore, MD
Michelle Fontenelle;
Psychiatry
Laura Seidel; Psychiatry

SINAI HOSPITAL
Baltimore, MD
Leah Berhane; Obstetrics
and Gynecology
Scott LaBorwit;
Ophthalmology
John Lippert; Internal
Medicine-Preliminary
Connie McRill; Internal
Medicine-Preliminary
Laura Seidel; Psychiatry

ST. LOUIS CHILDREN'S
HOSPITAL
St. Louis, MO
ALexis Elward; Pediatrics

ST. CHRISTOPHER'S
HOSPITAL
Philadelphia, PA
Cynthia Shen; Pediatrics

ST. MARY'S HOSPITAL
Waterbury, CN
Peter Zdankiewicz; Surgery

ST. MARY'S HOSPITAL AND
MEDICAL CENTER
Grand Junction, CO
Gail Fredericks; Family
Practice

STANFORD UNIVERSITY
MEDICAL CENTER
Stanford, CA
Louis Malinow; Internal
Medicine

STRONG MEMORIAL
HOSPITAL
Rochester, NY
Martin Cieri; Pediatrics
Kathleen Ventre; Pediatrics



SUNY HEALTH SCIENCES
CENTER

Brooklyn, NY
Zaria Hunt; Surgery

SUNY HEALTH SCIENCES
CENTER

Syracuse, NY
Andrew Bushnell; Emergency
Medicine

UNIVERSITY OF ALABAMA
HOSPITAL

Birmingham, AL
Scott Mullaney; Internal
Medicine

UNIVERSITY OF CHICAGO
HOSPITAL

Chicago, IL
Udai Kammula; Surgery
Jhemon Lee; Radiology-DX
Andrew Bushnell; Emergency
Medicine

UNIVERSITY OF FLORIDA

Gainesville, FL
Armin Moshedy; Surgery
Andrew Smock; Internal
Medicine

UNIVERSITY OF FLORIDA
HEALTH SCIENCES CENTER

Jacksonville, FL
Christopher Highfill;
Orthopedics

UNIVERSITY OF MASSA-
CHUSETTS MEDICAL
CENTER

Worcester, MA
Lana Habash; Family
Practice

UNIVERSITY OF MIAMI
JACKSON MEMORIAL
MEDICAL CENTER

Miami, FL
Marie Silencieux-Cineas;
Pediatrics

UNIVERSITY OF WISCONSIN

Madison, WI
Anthony Quinn; Orthopedics

UNIVERSITY HEALTH
CENTER OF PITTSBURGH

Pittsburgh, PA
Penny Brown; Obstetrics and
Gynecology

UNIVERSITY HOSPITAL OF
CLEVELAND

Cleveland, OH
David Gallatin; Internal
Medicine
Ruth Gallatin; Internal
Medicine-Primary

UNIVERSITY OF CALIFOR-
NIA MEDICAL CENTER

San Diego, CA
Brian Snyder; Emergency
Medicine

UNIVERSITY OF CALIFORNIA

San Francisco, CA
Michael Reinhard;
Anesthesiology

UNIVERSITY OF MARYLAND
MEDICAL CENTER

Baltimore, MD
Rita Aidoo; Internal Medicine-
Preliminary

Christopher Amato;
Pediatrics
Barbra Bell; Obstetrics and
Gynecology
Gregory Bishop; Internal
Medicine
Sandra Buchman;
Orthopedics
Jonathan Calure; Surgery
Brett Engbrecht; Surgery-
Preliminary
Demitrous Frazier; Psychiatry
William Gdula; Surgery
Research
Thomas Ghorzi; Internal
Medicine
Cyrus Hamidi; Family
Practice
George Hart; Neurology
Beth Hogans; Physiology
Research
Deborah Hopkins;
Emergency Medicine
Nhuai Le; Internal Medicine
Mark Lottes; Emergency
Medicine
Niteen Milak; Internal
Medicine-Preliminary
Bahador Momeni; Internal
Medicine
Eric Naumann; Immunology
Research
Alkesh Patel; Family Practice
Jay Penafiel; Internal
Medicine



Roland Sabundayo; Internal
Medicine
Richard Silver; Psychiatry
Amy Singleton; Emergency
Medicine
Cynthia Soriano; Internal
Medicine
Andrian Tyndall; Emergency
Medicine
Doyle Yeager; Pediatrics-
Emergency Medicine
Jose Zarzuela; Internal
Medicine

UNIVERSITY OF NORTH
CAROLINA
Chapel Hill, NC
Thomas Hensing; Internal
Medicine
Jon Simon; Medicine-
Pediatrics

UNIVERSITY OF
PITTSBURGH
Pittsburgh, PA
Beatrice Grumberg; Internal
Medicine-Primary

UNIVERSITY OF TEXAS
MEDICAL CENTER
Houston, TX
Jeremy Finkelstein;
Emergency Medicine

UNIVERSITY OF SOUTH
FLORIDA
Tampa, FL
Andrew Kramer; Surgery

UNIVERSITY OF TENNESSEE
COLLEGE OF MEDICINE
Memphis, TN
Claudia Krasnoff; Obstetrics
and Gynecology

UNIVERSITY OF VIRGINIA
Charlottesville, VA
Eric Tauscher; Internal
Medicine

WALTER REED MEDICAL
CENTER
Washington, DC
Sarah Burrous; Internal
Medicine

WASHINGTON HOSPITAL
CENTER
Washington, DC
Saman Ghahremani; Surgery



YALE-NEW HAVEN
HOSPITAL
New Haven, CN
George Porter; Pediatrics

YORK MEDICAL CENTER
York, PA
Cecilia Callahan; Internal
Medicine-Preliminary
Charles Curtis; Emergency
Medicine
Judy Davidoff; Family
Practice
Julie Herling; Internal
Medicine
David Lindsay; Transitional
Martine Noukelak; Internal
Medicine-Preliminary
Christopher Reimann;
Transitional
Samuel Woo; Emergency
Medicine



*Gail Fredericks' dream of
practicing rural family medicine
is finally coming true.*

Never too late ...

by Vicki Strittmater

She has been asked the question more times than she can count, but Gail Fredericks still takes great delight in explaining why she decided to become a doctor. "It sounds silly," she laughs, "but I wanted to do something more with my life."

More than what she has already done? Hard to imagine. Fredericks has taught high school and college English, worked at a ski resort, sold real estate, been a cocktail waitress in Reno. She was a bureaucrat for 16 years, and has been a mother for 30. She may now also add "physician" to her list of work experiences.

Fredericks is 51 years old—the oldest graduate in the history of the School of

Medicine.

How does it feel to be starting a new career when many other people at her stage in life are contemplating finishing theirs? "A lot of people are making second career moves themselves," she says. "I just made mine in the other direction."

Her infectious laugh punctuates her conversation often, even when recalling the obstacles she had to overcome to become the oldest graduate in the School of Medicine's history. "The first school I talked to told me that I was too old, and that was when I was in my 30s!" But that's okay, Fredericks says. "I feel generous toward them now because I ended up here, much more determined. It's

been wonderful here at Maryland though. From the time I interviewed, people were really willing to look at me as an individual."

When Fredericks decided she wanted to "do something more," she was working for the federal government. Though the Southern California native had bachelor's and master's degrees in English from California State in Fresno, she didn't have any of the math or science prerequisites necessary to apply to medical school. So she began going to school at night to fill in those blanks. "I thought it would take two years," she explains, amused at her own naivete. "It took four." Fortunately, after two and one-half years, her

Continued on page 14

photos by Bill McAllen

Most people discouraged
her. They were afraid of her
being hurt if she failed.



“There’s a certain spirit in a rural area, a strong sense of community where people help each other. I want to be part of that.”

employers realized she was serious about her goal, and allowed her more flexibility in her schedule. One semester, that meant going to class from 7 until 7:45 each morning, working until 5:30 that afternoon, and going back to school that evening.

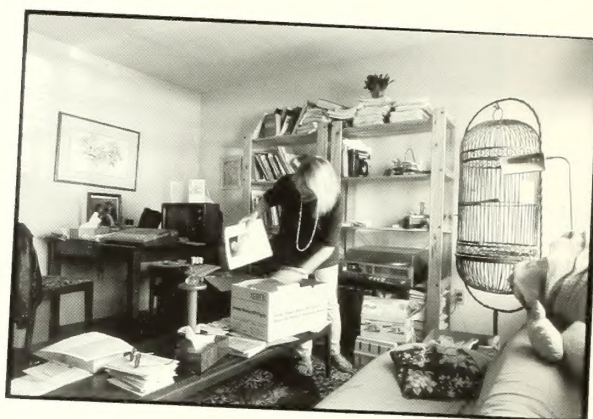
Fredericks says most people discouraged her, not so much because they thought she couldn’t do it, but because they were afraid of her being hurt if she failed. Her daughter, Wendy, now 30 and a mother herself, was Fredericks’ greatest cheering section. “She was the only person who never said ‘you can’t do this,’ Fredericks says gratefully. Wendy probably learned that at her mother’s knee, as Fredericks believes “you can’t be afraid to fail.”

Few others have attempted—and succeeded at—Fredericks’ achievement. Nationally, only 795 (5%) of the 16,000 people entering

medical schools last year were age 32 or older, according to the Association of American Medical Colleges. The average age of new medical students was 24.7.

Her dream when she came to medical school was to go into rural family medicine. Why rural medicine? “I have two reasons,” Fredericks explains, “a selfish and an unselfish one. Rural areas are really underserved, and a lot of my classmates, even though they may want to do this, can’t afford to; many of them have spouses and children, and the jobs and good schools may not be there for them. For me, I knew I would enjoy that kind of life. There’s a certain spirit in a rural area, a strong sense of community where people help each other. I want to be part of that.”

And so she will. Fredericks matched in family practice at St. Mary’s



Hospital in Grand Junction, Colorado. “I’m not going to win a Nobel prize; although I wish I could so I could bring glory to the school. I admire people who go into all the other specialties and subspecialties, but I’ve made up my mind that I’m going to be as good a rural doctor as I can be.”

“With someone like Gail, it’s so clear that this is the road she wants to take,” said Kevin S. Ferentz, M.D., a professor of family medicine in the School of Medicine, in a Baltimore Sun interview. “Even if she gives medicine only 10 or 15 years, I think the investment will pay off beautifully.”

News

The Golden Touch

David M. Kipnis '51 receives top AAP honor



David M. Kipnis, M.D.

It is two inches in diameter, struck from solid gold. On one side is a bas relief design; the other bears a wreath circling the name of the recipient and the year awarded.

It is the Association of American Physicians' Kober Medal, the Olympic gold of the medical sciences, and its latest recipient is School of Medicine alumnus and board of visitors member David M. Kipnis, M.D.'51.

Dr. Kipnis' pioneering research in glucose, amino acid and fat metabolism has been instrumental in clarifying fundamental metabolic derangements in diabetes mellitus and other conditions.

A Baltimore native, Dr. Kipnis joined the Washington University School of Medicine in 1956 after completing his residency. He came to Washington as a research fellow with

Nobel laureate Carl Cori and joined the faculty after completing the fellowship. He has been there ever since, serving as professor of medicine, chairman of the department of medicine, director of the clinical research center, director of the lipid research center and now as distinguished university professor of medicine.

His other honors include election to the Institute of

Medicine of the National Academy of Sciences, the Johns Hopkins Society of Scholars and an honorary Doctor of Science degree from his alma mater, the University of Maryland School of Medicine.

In being selected as the Kober Medal winner, Dr. Kipnis becomes the 68th in a group of distinguished recipients dating back to 1925.

The Kober Medal is one of the most prestigious awards in medicine, given each year to a member of the Association of American Physicians (AAP) who has contributed to the progress and achievement of the medical sciences. It was endowed in 1924 by George M. Kober, a German emigre who served as a medical corpsman during the Civil War. He went on to obtain his medical degree from Georgetown University Medical School and upon graduation, reenlisted in the Army, spending 12 years in the old west as a surgeon.

But it was after his return to Washington that Kober began his devotion to the development of his alma mater, serving first as professor of hygiene and then as dean. During that time, in 1902, he also was elected to the AAP and was an active member until his death in 1931.

News

Welcome to:



Ernest C. Borden, M.D.
Director of Cancer Center

Dr. Ernest C. Borden, former director of the Medical College of Wisconsin Cancer Center, has been appointed director of the University of Maryland Cancer Center, effective July 1, 1994.

Dr. Borden received his bachelor's degree from Harvard University and an M.D. degree from the Duke University School of Medicine. He interned at Duke University Medical Center and spent a resident year at the Hospital of the University of Pennsylvania. He was a medical officer with the U.S. Public Health Service for two years, assigned to the Viro-pathology Laboratory of the National Communicable Disease Center in Atlanta. During that period he had a faculty appointment at the Emory University School of Medicine and Grady Memorial Hospital. Dr.

Borden completed his training with a three-year fellowship in the oncology division, department of medicine, Johns Hopkins University School of Medicine and Hospital, and joined the faculty of the University of Wisconsin, rising in rank and leadership from assistant professor to professor of clinical oncology. In 1990 he became professor and director of the Medical College of Wisconsin's Cancer Center.

Dr. Borden chaired the National Cancer Institute Conference on Interferons for Cervical Carcinoma In Situ, and is a member of the Advisory Committee on Interferons and Advisory Committee on Clinical Investigations Immunology and Immunotherapy, American Cancer Society. He is past-president and currently on the board of directors of the International Society for Interferon Research. He is past-president and currently on the board of directors of the Society for Biological Therapy. He serves on the World Health Organization Expert Committee for Review of Interferons, the Interferons Investigations Committee of the American

Continued on page 18



Eve Juliet Higginbotham, M.D.
Chair of Ophthalmology

Dr. Eve Higginbotham is the University of Maryland School of Medicine's new professor and chair of ophthalmology.

Dr. Higginbotham holds an M.D. degree from Harvard Medical School and bachelor of science and master of science degrees in chemical engineering from the Massachusetts Institute of Technology. She interned at the Presbyterian Hospital in San Francisco, did her residency training at the Louisiana State University where she served as chief resident, and completed a fellowship at the Massachusetts Eye and Ear Infirmary. Dr. Higginbotham joins our faculty from the University of Michigan at Ann Arbor where she was associate professor of ophthalmology. Prior to her tenure at Michigan, Dr. Higginbotham was on the faculty of

the University of Illinois at Chicago Eye and Ear Infirmary and chief of its Glaucoma Clinic.

She is currently co-investigator of the Ocular Hypertension Treatment Study funded by a \$6 million grant from the National Eye Institute, National Institutes of Health (NIH). Dr. Higginbotham has also served on the NIH Vision Research Review Committee Study Section. Throughout her residency and professional career Dr. Higginbotham has been the recipient of many honors and awards. Among her awards have been the E.P. Dunphy Glaucoma Research Fellowship, the Beem-Fisher Award given by the Chicago Ophthalmological Society and the Metropolitan Chicago's Healthcare Council's Clinical Award to Women in Healthcare Management. She is a reviewer for the most prestigious ophthalmology journals in this country and serves on the editorial board of the *Journal of Glaucoma*. She serves on the board of directors of Women in Ophthalmology, the National Society to Prevent Blindness and is chair of the society's Publications Review Committee. She is on the

Continued on page 18

News



**Joel G. Lee, Vice-president
Market Development and
Communications**

Joel G. Lee has been named vice president for market development and communications at the University of Maryland Medical System. He will be active in Medical Center efforts to establish and maintain relationships with current and future health care delivery system partners and with the business community, which is vitally concerned with the value of health services received by their employees. Mr. Lee will also oversee the marketing, community relations and public affairs functions at the Medical Center.

Mr. Lee had served since December 1991 as deputy secretary for the Maryland Department of Economic and Employment Development (DEED). While at DEED, he played an active role in reshaping the state's economic development strategy to focus on emerging

technologies in life sciences, information processing and advanced manufacturing. He coordinated the efforts of a wide variety of businesses, government and community leaders to pursue an aggressive agenda of capital projects important to the future economic health of the state, including the expansion of the Baltimore Convention Center, Maryland Bioprocessing Center and Bowie Baseball Stadium; creation of incubator laboratory space; and renovation of the Ocean City Convention Center.

From December 1989 until November 1991, he served as the deputy chief of administration to Governor William Donald Schaefer for development matters and was the liaison between the governor and the Departments of Economic and Employment Development, Housing and Community Development, Transportation and Agriculture and the Office of Planning.

Before joining the governor's staff, Mr. Lee was deputy commissioner of Baltimore City's Department of Housing and Community Development, a post he held from 1984. He is a graduate of Colgate University where he earned a B.A. in social psychology.



**Sina McGimpsey Reid
Board of Visitors**

Sina McGimpsey Reid, president of SMR Ltd., fast-food concessionaires operating at Harborplace and Washington's Union Station, has joined the School of Medicine's board of visitors. Ms. Reid is also executive vice president of Broadway-Payne, Inc., which operates Baltimore metropolitan area McDonald's franchises.

Ms. Reid is a member of the advisory board of the Maryland Educational Opportunity Center, the Baltimore Private Industry Council and the Baltimore Economic Development Corporation. She serves on the board of directors of the University of North Carolina at Greensboro, the Baltimore County Community Colleges, the Greater Baltimore Committee and the Boy Scouts of America, Baltimore Area Council.

She is a member of the International Women's

Forum, a former chairperson of the Associated Black Charities, and is recognized as one of the outstanding black women in America by *Dollars and Sense* magazine. Ms. Reid is also listed in *Who's Who Among Black Americans*.

She holds a bachelor's degree from the University of North Carolina at Greensboro and a master's degree from Antioch College. Ms. Reid has received the Crystal Award from the National Association of Negro Business and Professional Women. She has also been honored by the city of Baltimore's Project Survival for her commitment to youth and their academic and athletic development.

The News section is prepared with thanks to the public affairs officers of the University of Maryland at Baltimore (410-706-7821), the University of Maryland Medical Center (410-328-6776) and the Baltimore Veterans Affairs Medical Center (410-605-7101):
Jill Bloom
David Edwards
Ellen Beth Levitt
Vicki Strittmater

News

New staff members at the Baltimore Veterans Affairs Medical Center

Barbara L. Bass, M.D. was recently appointed chief of surgical service. Dr. Bass, who received her medical degree from the University of Virginia and did her postgraduate training at the George Washington University Medical Center and the Walter Reed Army Institute of Research, began her VA career in 1986 as a staff surgeon at the VA Medical Center in Washington, D.C. Prior to her appointment as the chief of surgical service, Dr. Bass served as the chief of general surgery at the VA Medical Center in Washington, D.C. and associate professor of surgery at the George Washington University.

Peter Hauser, M.D. is the new chief of psychiatry service. Dr. Hauser came to Baltimore from the National Institutes of Health where he served as a staff fellow. Dr. Hauser, who has had numer-

ous articles published in scientific publications and served as the editor of *Brain Imaging in the Affective Disorders*, received his medical degree from the University of Virginia and did his postgraduate training at the Clarke Institute of Psychiatry in Toronto, Canada, and the Georgetown University Hospital.

Robin Rutherford, M.D. has assumed the position of chief of the gastroenterology section in medical service. Dr. Rutherford was previously on staff at the San Diego VA Medical Center which is affiliated with the University of California. Dr. Rutherford completed her gastroenterology fellowship and was also the medical chief resident at the University of California. She received her medical degree from Duke University.

Borden, continued from page 16

Cancer Society and the Development Therapeutics Contract Review Committee of the National Cancer Institute.

Dr. Borden is a member of many prestigious medical societies. He is editor of "*Cancer: Concept to Clinic*" and "*Therapeutic Strategies in Oncology*," and has served as editor and on editorial

boards of many other prestigious peer-reviewed journals. He is author of innumerable scientific articles. In addition to strong National Institutes of Health (NIH) and National Cancer Institute (NCI) grant support, Dr. Borden has attracted support from private foundations and industry.

Higginbotham, continued from page 16

Ophthalmic Advisory Board of Chibret International and the executive committee of the National Eye Institute's Ocular Hypertension Multicenter Trial. As a faculty member she has served on important committees at the Universities of Illinois and Michigan. Most recently she chaired the Medical Affairs Advisory Committee to the vice provost at Michigan.

She is author of a large number of articles published

in peer-reviewed journals as well as a book and book chapters.

Dr. Higginbotham is the third woman to currently chair a department in the School of Medicine (anesthesiology and medical and research technology are the others), and the first woman to chair a department of ophthalmology in the United States. Her appointment is effective August 1, 1994.

News

Top Honors for D.C. Allergist

Kaliner receives 1994 Honor Award and Gold Key

Reaching Michael A. Kaliner, '67, to get his reaction at being named the 1994 Medical Alumni Association Honor Award and Gold Key winner was no small feat. When he is able to return a phone call and take a few minutes to talk, he notes dryly, "I'm pretty busy this time of year."

Considering that it is spring and Dr. Kaliner is calling from Washington, D.C., this turns out to be an understatement. Dr. Kaliner is director of the Institute for Asthma and Allergy at the Washington Hospital Center and, he says, this is the worst

allergy season in 20 years. To put it mildly, business among the cherry blossoms is booming.

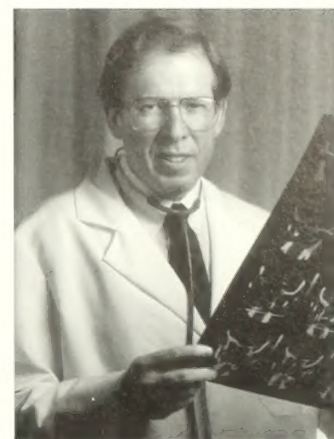
The Baltimore native acknowledges that he was "surprised and honored" to learn that he would be the latest recipient of the Honor Award and Gold Key.

His commitment to Maryland education actually began at the undergraduate level, when he transferred from Duke University to the University of Maryland after his freshman year to complete his degree in zoology. He stayed on for medical school, receiving "excellent

clinical training," and completed his internship in medicine at the University of Maryland Medical System. While here, he was inspired by another Honor Award and Gold Key recipient: Ted Woodward '38. "Dr. Woodward taught me how to ask the right questions that would focus on the underlying problem," Dr. Kaliner says. "The most important thing I took with me when I graduated was the need to understand more about the disease process."

After completing his residency in medicine at the University of California at San Francisco, Dr. Kaliner honed his focus on the disease process while completing a fellowship in allergy/immunology and rheumatology at the Robert B. Brigham Hospital in Boston. His interest in allergy/immunology was more than a passing one. "I have allergies myself," he explains. "It was interesting to me to get into a disease I personally had."

In between being accorded numerous other honors for his research and teaching, Dr. Kaliner has authored nearly 400 publications and trained more than 120 fel-



lows. According to his peers and those he has mentored, he has done the former with distinction and the latter with compassion.

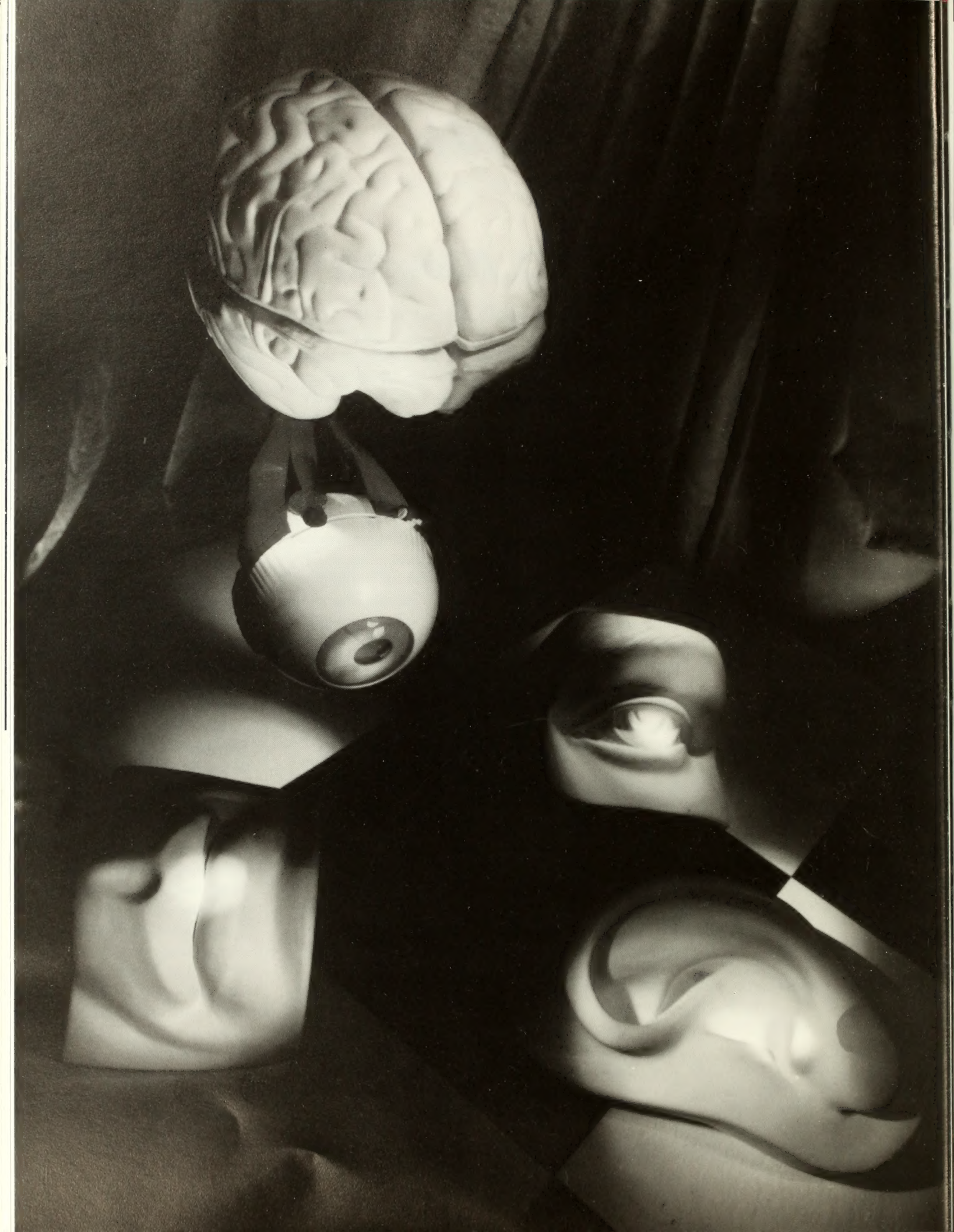
He manages to play tennis three or four days a week and spend time with his three teenagers, playing soccer, biking and hiking. Fortunately for everyone back at his alma mater, Dr. Kaliner also manages to return whenever asked to give one or two lectures each year or present at medical grand rounds, even though it means taking time from his highest priority: his patients. Finding time for both is just one reason why his fellow physicians took time out from their own busy schedules to nominate for the Honor Award and Gold Key this outstanding clinician, researcher and teacher.

Vicki Strittmater

The Honor Award and Gold Key is awarded to a living alumnus based on "outstanding contributions to medicine and distinguished service to mankind." Factors included in the selection process are impact of accomplishments; local, national and international recognition; supporting letters; and publications.

We invite you to send in nominations now for the 1995 award. Nominations will be retained and reconsidered annually for three years after submission. Letters of nomination must include a curriculum vita and should be addressed to:

Bernice Sigman, M.D. '60
Chairman
Awards Committee
Medical Alumni Association
522 West Lombard Street
Baltimore, MD 21201





the new age of

neuro science

The last decades of the 20th century may well become known as the golden era of neuroscience. The field that in the first half of this century seemed far too complex suddenly blossomed throughout the second half into one of the most promising areas of biology. After Sir John Eccles first reviewed the results of intracellular recordings from single nerve cells in 1953, the field headed in a new direction. Neuroscientists recognized that in order to learn more about the functioning of the brain with its trillion cells, they must look more closely at nerve cells—one at a time. Today, neuroscience is beginning to give insight into some of the most difficult problems of cellular differentiation on the one hand, and some of the most profound problems of behavior and disease on the other. The biological basis of brain function remains one of the last frontiers of science—and perhaps its ultimate challenge.

▼
stories by

Ginny Cook

and

Karen Donohue Meyer

photography by

Michael Northrup



The Brain's Blueprint

Using the Olfactory System as a Model for Exploring the Architecture of the Cerebral Cortex

Each brain cell starts with the same basic ingredients. Yet one of the fundamental mysteries of neuroscience is what transforms them into neurons or glial cells. Having made that choice they must then decide what transmitters and receptors they will express.

How the brain takes shape—the development of the nervous system into specific neural circuits, is a research focus of Michael T. Shipley, Ph.D., the newly appointed professor and chair of the department of anatomy in the School of Medicine.

Using rats and mice, animals with well-defined neural circuits, Dr. Shipley studies the olfactory system to uncover how the cerebral cortex develops. "My research focuses on the first moments that cells vary in the fetus and become one kind of neuron or another. We pinpoint when cells differentiate and what determines who they talk to and who talks to them," he says.

The brain, unlike any other organ, functions with cell contacts that are specific, organized and cover long distances. With all its intricate and powerful circuitry, there is not a single nerve that works in isolation, he explains.

When things go awry, major health problems become apparent such as birth defects. For example, defects in brains of children from the drug and substance abuse of their parents may cause learn-

ing disabilities, violent behavior and cognitive dysfunction, Dr. Shipley says. Dysfunctional neural development "is much like building a house," he says. "If the blueprint is subverted, nothing inside works right."

For the past 12 to 14 years, Dr. Shipley has also managed a large research effort funded by the Department of Defense that examines the ways toxins interfere with the brain. The results proved important for troops in the Iraqi desert during Desert Storm. "We and others found a way to protect against lethal consequences if people were exposed to heavy doses of a nerve agent," he says. The findings play a role in peace time as well. Accidents or exposure to pesticides pose many of the same problems as nerve gases.

The autonomic nervous system—the silent partner that controls heart rate, blood pressure, respiration and secretions—is another research interest of Dr. Shipley. For nearly a decade, he has been funded to examine the way the brain controls these operations.

"The central gray area of the midbrain appears to exist as a nodal point where many brain circuits converge to control the autonomic nervous system. The central gray also controls how we sense pain,"

he says. "It is a function we take for granted—until things go wrong."

-G.C.

With all of the brain's intricate and powerful circuitry, there is not a single nerve that works in isolation.

Brain Research

Anatomy Department's New Frontier

Over the next three to seven years, anatomy chair Dr. Michael Shipley plans to add seven to 12 new faculty members, revitalizing a department that has been in a holding pattern as the university searched first for a medical school dean and then an anatomy chair.

Research on the brain will be the major scientific frontier, says Dr. Shipley, who is "keenly aware of the opportunity to develop the department as a premier center for neurobiological research."

His plans for the department include three overlapping groups of about a half dozen scientists each. They will have a closely related set of interests that will include the study of neural networks, developmental neurobiology and molecular neurobiology.

"Neuroscience is so complex that no member of a group can master all techniques," says Dr. Shipley. "Success will depend upon the cooperation and teamwork of investigators within the department."

"One of the most attractive things at the University of Maryland was finding an outstanding critical mass of neuroscientists whose primary strengths lie in cellular and membrane neurobiology," adds Dr. Shipley, who came to Maryland from the University of Cincinnati College of Medicine. "My hope is to complement these strengths with outstanding new neuroscientists in the anatomy department."



How Sweet It Is

The Physiology of Good Taste

Most of us prefer a slice of calorie-rich chocolate cake to a stalk of celery. The reason is simple—the taste of sugar.

“Most organisms, humans included, prefer the sweet taste when it comes to making food selections. Bitter tastes, often associated with poisons, are widely rejected,” says David Smith, Ph.D., an expert in the field of taste buds and taste physiology. Catfish, on the other hand, fancy a particular combination of amino acids with the flavor of rotting flesh, he says. This finding led a colleague in Louisiana to concoct a catfish bait made of three amino acids.

Neural activity within the central nervous system allows humans and other species to perceive tastes—most of which are classified as sweet, bitter, salty, or sour. In a few hundred milliseconds animals know whether they want to ingest or reject what is in their mouths, adds Dr. Smith, who recently joined the department of anatomy in the School of Medicine.

This almost instantaneous decision is the result of a complex series of chemical and electrophysiological messages carried from taste receptors on the tongue to peripheral taste nerves that in turn relay the information to the brain, he explains.

Defining taste and taste transduction remains a complex venture because receptors are distributed across several different populations of taste buds located on different regions

of the tongue and oral epithelium, and innervated by one of several cranial nerves, says Dr. Smith. Studies suggest that different nerve fibers have different sensitivities to gustatory stimuli. Also, there are differential gustatory inputs to the brainstem.

Unlike sight, smell

or hearing, the

sense of taste

declines little with

aging.



insulin and gastrointestinal secretions when sucrose is put on the tongue.

Scientists have long debated how the nervous system extracts and codes information about taste quality and three taste coding theories dominate. The “labeled line” hypothesis suggests that activity in a particular fiber type represents a specific taste quality whereas the “across fiber pattern” theory holds that a particular pattern of activity across the entire ensemble of afferent fibers represents a taste quality. The third theory, a variation of the across-fiber pattern—compares activity across more than one fiber type to code quality.

Unlike sight, smell or hearing, the sense of taste declines little with aging. Taste buds turn over every 10 days in rodents and “we assume the same is true for humans, although there is no data, Dr. Smith says.

—G.C.



The Brain's Sensory Highway

Can Damaged Neural Pathways be Replaced?

The sensory systems of mammals have their own “information highways”—routes that relay news from outside the body to the brain.

In normal animals, the journey begins when receptor cells in the sense organs pick up external stimuli and translate them into electric signals that are relayed to clusters of nerve cells called “nuclei” in a region of the brain called the thalamus. The thalamic nuclei then transmit the sensory information to specialized areas of the neocortex. Different thalamic nuclei and cortical areas process information about the different senses.

Traumatic injuries, strokes and disease can damage the sensory highways



The nerve cells that

normally processed touch

information were now

processing visual

information!

in the brain. In the laboratory of Douglas Frost, Ph.D., professor of pharmacology and experimental therapeutics in the School of Medicine, researchers are experimenting with techniques to replace damaged sensory pathways by surgically creating novel

neural circuits. The studies of the novel circuits also give researchers new insights into how the brain develops, and thus suggest ways of preventing and treating birth defects.

In normal animals, says Dr. Frost, receptor cells in the retina of the eye relay visual information to the seeing nucleus of the thalamus, as well as other targets. Similarly, receptors in the ear relay information to a specialized thalamic hearing nucleus and receptors in the skin relay information to a touch nucleus in the thalamus. Each of these nuclei contains an orderly map of the external world: for example, there is an orderly map of the retina and, therefore, of the field of vision in the visual nucleus, and an orderly map of the body in the touch nucleus.

Dr. Frost found that when the visual nucleus of the thalamus and some other targets of the retina were damaged at early stages of development, and if the normal hearing or touch inputs to their respective thalamic nuclei were also severed, the retina then formed connections with the hearing or touch nuclei in the thalamus. "Under the right conditions sensory axons can be redirected to a novel thalamic target," Dr. Frost says. "The novel circuits reproduce many of the important structural and functional features of the normal circuits that they replace." For example, Dr. Frost found that when the retina forms novel connections to the hearing or touch nuclei, it creates orderly maps of the visual world in those nuclei, just as it does in the visual nuclei of normal animals.

Dr. Frost's studies have shown that the novel neural circuits formed by surgically induced retinal projections

to the hearing and touch systems display some important functional properties of the normal visual system. One way he demonstrated this was by recording the electrical signals produced by individual brain cells in response to visual stimuli. Nerve cells in sensory systems of the brain do not respond to all stimuli. Instead, they are selective and respond only to particular types of stimuli. "This selectivity of

ver through a maze. Normal adult hamsters learn the skill to a 90 percent correct criterion in an average of 16 days, according to Dr. Frost. In a 1990 paper published in the *Annals of the New York Academy of Science*, Dr. Frost reported that control hamsters subjected to lesions of the visual cortex as adults could not perform this task, but three of four hamsters that lacked their visual cortex but had retinal pro-

**The studies of the novel circuits also give researchers
new insights into how the brain develops, and thus
suggest ways of preventing and treating birth defects.**

neuronal responsiveness is the basis for sensory information processing in the central nervous system," says Dr. Frost.

When Dr. Frost presented visual stimuli to normal hamsters and recorded the electrical responses of nerve cells in the visual cortex, he was able to distinguish three functional categories of nerve cells, according to the types of stimuli that excited them. Next, he recorded in the touch cortex of operated hamsters in which he had connected the eye to the touch system. Surprisingly, he was able to distinguish the same three types of visually responsive nerve cells that he had found in the visual cortex of normal animals. The nerve cells that normally processed touch information were now processing visual information!

Next Dr. Frost examined whether the novel circuits were capable of guiding visual behavior. Hamsters had to distinguish between vertical and horizontal rows of black squares to maneu-

jections to the auditory system did learn it in an average of 21 days. Dr. Frost concluded that "the novel pathways from the retina to the auditory thalamus and cortex may be able to subserve some of the same functions normally mediated by the pathway from the retina to the visual thalamus and cortex."

In other experiments, Dr. Frost is looking at the development of both normal brain circuits and novel ones. He says this process is both constructive and destructive. Developing nerve cells initially form immature connections with more nuclei than they will ultimately connect with. Later in development, some of the immature connections are permanently stabilized and others are eliminated. Further studies will enable scientists to prevent or treat the dysfunctions that occur when these processes are disturbed by disease.

-G.C.



A New Drug for MS

Clinical Tests Showing Dramatic Results

The first new drug in 25 years to treat multiple sclerosis is showing positive results. A team led by Dr. Kenneth Johnson, professor and chairman of neurology, in cooperation with researchers from other medical centers, has led to a new use for the naturally occurring human protein beta interferon. Their investigations led to the FDA licensing of beta interferon as the first new drug in 25 years for treating MS.

Participants in the most recent research found that high doses of beta interferon reduced MS attacks 30 to 40

percent and dramatically increased the intervals between attacks. Following attacks, MRI studies showed significantly lower brain damage in patients taking beta interferon. The new drug is expected to help about one-third of the 300,000 MS sufferers in the U.S.

Johnson and his colleagues spent 13 years in the laboratory and the clinic testing a number of the interferons without finding anything that was both effective and free of unacceptable side effects. But, he says, after researchers found that high doses of gamma interferon actually made MS worse, "We reasoned it might mean that MS attacks occurred when the body erroneously allowed gamma interferon to start a process resulting in damage to nerve fibers. Our next step was to find an agent that suppressed the phenome-

non—which as it turned out, was beta interferon."

Beta interferon works by suppressing attacks by the immune system on the protective covering of brain and spinal cord nerve fibers. When the covering known as myelin is destroyed, the signals between nerves are distorted and slowed leading to problems with movement, balance, sight and feeling. By reducing the number of attacks and the damage each one causes, beta interferon adds significantly to the quality of life for MS patients. Johnson cautioned that "beta interferon is not a cure for MS, but when given early in the disease, appears to reduce brain damage and associated neurologic disability."

-K.M.

"Operating" Without Incisions



Gamma Knife Meets Expectations

For patients with inoperable brain tumors or vascular disorders, the University of Maryland Medical Center's gamma knife has literally proved a lifesaver. Installed two years ago, the multi-million dollar device has treated over 150 patients to date.

One of only a few in the U.S. and the only one in the Baltimore/Washington area, the Medical Center's gamma knife frequently eliminates the need for surgery. Delivering 201 precisely aimed and intersecting doses of cobalt-60 radiation at one time—directly to the heart of the problem—the gamma knife has almost no side effects and can be used in conjunction

with conventional neurosurgery and radiation. The proven cost-effective option requires only a short hospitalization.

"We're increasingly using the gamma knife to treat metastatic tumors and it's proving remarkably effective," says Howard Eisenberg, M.D., chief of the division of neurosurgery and one of three Medical Center neurosurgeons trained in the use of the gamma knife.

The primary advantage is its safety. Patients are spared the risks involved in brain surgery, especially when tumors are difficult to reach. And because the gamma knife's beams can be so precisely focused, the planned radiation dose

destroys only the targeted area, not the surrounding healthy tissue.

Demand for gamma knife treatment has increased as the physician community as well as the general public have become aware of this remarkable technology as an option to traditional neurosurgery, says Dr. Cesare Giorgi, medical director.

Meanwhile, the gamma knife's attributes are being widely reported: the device was recently featured in an educational video used nationally to inform health care reporters about new medical technology.

-K. M.





Brain Work

Maryland Psychiatric Research Center Explores the Biochemistry of Psychiatry

It's breathtakingly simple and almost incomprehensibly complex at the same time. Behaviors we recognize as psychotic—hearing voices, experiencing delusions, acting violently—may have their origin, and their solution, in the biochemistry that controls the neurological impulses of the brain. In other words, schizophrenia and other major mental illnesses may be no more than a neurologic recipe gone wrong: too much of this, too little of that.

Although theoretically easy to postulate, what could be called psychiatric biochemistry is enormously difficult to grasp in its scientific research and clinical treatment ramifications. Yet, it's exactly the multi-faceted challenge being pursued by

Maryland psychiatrists and their colleagues.

William T. Carpenter, Jr., M.D., director of the Maryland Psychiatric Research Center, explains the intersections between psychiatry and neurology. "We all work along different parts of a continuum, from the nearly complete conjunction of neurology and psychology in the treatment of Alzheimer's

Disease to the distinct separation of the disciplines in the medical profession's approach to stroke, for example."

From the expression of genes to interpersonal interaction, psychiatry today is interested in the full range of scientific inquiry, including how the symptoms of neurologic disorders manifest

themselves in behavior. Dr. Carpenter continues, "Today, almost all psychiatric clinical care combines biochemical/pharmacological and psychosocial treatment while researchers look at the intersection of biochemistry and the interpersonal environment in causing disease. The Maryland Psychiatric Research Center focuses four research laboratories on the neurological underpinnings of psychiatric phenomena."

While it's become clear that schizophrenia and other serious psychiatric diseases have a biochemical origin, Dr. Carpenter says science is a long way from finding a genetic marker for schizophrenia and intervening in the development of the disease. "We've

long known the genetic origin of Huntington's Disease, for example," says Dr. Carpenter, "but have made no progress in preventing it. In schizophrenia, we're working with multiple diseases and different genes that cause a vulnerability to the disease, not the disease itself. Knowing the genetic link will make better treatments available faster, but schizophrenia gene tooling is a long way off."

Despite the difficulties, Dr. Carpenter believes in the long-term efficacy of the interdisciplinary approach to psychiatric research: "There's something wonderful about having this wide range of expertise under the center's one aegis. We learn a lot from each other."

- K.M.

Schizophrenia

Worldwide, schizophrenia affects millions belonging to many different cultural, racial, and geographic groups, strikes early in adulthood and creates continuing tragedies in which the best aspects of the human personality are diminished. In its social/ economic impact, schizophrenia is even larger than the AIDS epidemic: direct and indirect costs associated with schizophrenia in the United States in 1990 were an estimated \$33 billion, and treatment costs accounted for 2.5 percent of total health care expenditures. Since the de-institutionalization of many patients in the 1980s, the burden of lifelong care has fallen heavily on parents and other relatives, and approximately one-half to one-third of America's homeless are schizophrenic.

Maryland Psychiatric Research Center

The Maryland Psychiatric Research Center, administered through the School of Medicine's Institute of Psychiatry and Human Behavior and the Mental Hygiene Administration of the Maryland Department of Health and Mental Hygiene, includes an outpatient research clinic, inpatient research unit and a neuroscience research program.

Basic Science Studies:

◆ The molecular basis of neurodegeneration—how the brain alternately protects and destroys itself—with reference to the progress of schizophrenia, Huntington's Disease and epilepsy (Robert Schwartz, M.D.).

◆ The action of anti-psychotic drugs through research into dopamine neurons, which seem to play a leading role in the development of schizophrenia (Paul Shepard, Ph.D., electrophysiologist). The effect of various drugs on living human nerve cells obtained through a cooperative agreement with University of Maryland Medical

Center neurosurgeon Howard M. Eisenberg, M.D. who provides tissue obtained during some epilepsy surgeries.

◆ The conductivity between brain cells in adult and developing human brain tissue and in animal models of disease (Rosalinda Roberts, Ph.D., neuroanatomist and co-director of the Maryland Brain Collection). Dr. Roberts also studies synaptic plasticity and patterns of cell death in animal models of Huntington's Disease and tardive dyskinesia. (Adult human tissue for her research is provided by the Maryland Brain Collection which, in collaboration with the Office of the Chief Medical Examiner, collects post-mortem brain tissue donated by

schizophrenics, other psychiatric patients, suicide victims and control subjects. Developing brain tissue comes from the University of Maryland Brain and Tissue Bank for Developmental Disorders.)

◆ The development of the brain in the womb and how it is prepared for further development after birth (Michael Vogel, Ph.D., developmental neurobiologist).

◆ The biochemistry of social affiliation, a possible biochemical rather than environmental/social origin for the loss of interest in other people characteristic of some schizophrenics, based on research in male voles (Brian Kirkpatrick, M.D.).

Clinical Studies: ◀

◆ The relation of abnormally sized brain structures to psychiatric illness, in particular the incidence of a smaller-than-normal hippocampi in the brains of schizophrenics and the corresponding reduction of brain matter in the prefrontal cortex, as determined using magnetic resonance imaging (MRI) (Robert W. Buchanan, M.D.). Other studies include neurobehavioral research to test the proposition that the limbic system is responsible for the psychotic aspects of schizophrenia and the prefrontal cortex and associated structures for the schizophrenic deficit syndrome.

◆ The activity of novel drugs used to treat schizophrenia (Robert R. Conley, M.D. and Carol A. Tamminga, M.D.). Using a new combination of computers, post-

mortem brain tissue samples and PET scans of living human brain tissue, researchers hope to develop more reliable data to determine which schizophrenic patients will respond positively to medication and why.

◆ The possibility of a virus-activated immunoresponsivity problem related to the development of the schizophrenic deficit syndrome (Royce W. Waltrip, M.D., a psychiatrist specializing in neuroimmunovirology).

◆ The properties of anti-psychotic drugs and aspects of the neurotransmitter dopamine using molecular biology and receptor binding techniques (Robert A. Lahti, Ph.D., a biochemical pharmacologist). Possible differences in the distribution and density

of the various dopamine receptor subtypes between normal and schizophrenic post-mortem brain tissue.

◆ Glutamate in the pathophysiology of schizophrenia (Adrienne C. Lahti, M.D. and Carol A. Tamminga, M.D.). The effects of different medications known to interact with the glutamate systems on the disease's symptoms. Identification of new anti-psychotic drugs, especially those with novel mechanisms.

◆ The neurological source of the abnormal eye movements often found in schizophrenics and their family members (Gurvant K. Thaker, M.D. and David E. Ross, M.D., specialists in ocular motor physiology).



Steroids and the Brain

How Sex Hormones Affect Behavior

Birth control pills and hormone replacement therapy are standard and effective medical regimens for women. But these estrogen-based pharmacological tools may do more than control reproduction or protect postmenopausal women against osteoporosis, coronary artery disease and stroke. These steroids may aim for the brain, and no one really knows what happens when they do.

"As a target organ for steroids, the brain is often ignored," says Margaret M. McCarthy, Ph.D. assistant professor of physiology in the School of Medicine. "But steroid effects on the brain are very wide-ranging and under-

standing how they act in the brain is significant to the health of men and women."

Dr. McCarthy's research examines how steroids affect neurotransmitters, influence sexual development and control gene expression in the brain. Using a rat model to define these cellular mechanisms, the goal is to "transfer data to other species including humans," she says.

One area of recent investigation monitors the effects of estrogen on amino acid transmitters by measuring female reproductive behavior in rats. Related projects use this new-found information of estrogen's effects on the

brain. By blocking gene expression at specific sites, Dr. McCarthy examines how estrogen influences brain differentiation in neonates and documents the cause and effect of estrogen on adult reproductive behavior.

In the amino acid study, these neurotransmitters either inhibit or liberate reproductive processes, according to Dr. McCarthy. By measuring the sexual behavior (completely steroid dependent) of female rats, she can monitor estrogen and the role of these amino acids in the brain.

In the laboratory, Dr. McCarthy can use this rat behavior as an assay for

continued on page 28



The Energy Center of Nerve Cells

How Cells Transport Calcium and Use ATP

While microscopic in size, cells forge the power through which virtually all life processes are expressed. This is the fundamental process of how animal cells make and use energy.

Known as active transport, this energy dependent function includes a highly complex chain of chemical reactions and electrical signals that is the mainstay of cellular operations. It controls osmosis, the movement of substrates between cells and electrical communication between cell membranes.

In the central nervous system, cells

have compartments delineated by membranes whose main function is to separate electrolytes, explains Giuseppe Inesi, M.D., chairman of biological chemistry. Energy is required to move solutes across these membranes and against a concentration gradient—energy which is often supplied by a chemical reaction—the release of terminal phosphate from ATP (adenosine triphosphate). In turn, energy is stored and used to execute the chemical synthesis of ATP within the cell.

"The conceptual advances introduced by recent discoveries in the field

of active transport have triggered a transition from a "black box" approach to a "mechanistic" approach," Dr. Inesi writes in a March 1994 paper published in the *Biophysical Journal*. To define this "transport machine," he says biochemists must consider equilibrium and kinetic experimentation, protein chemistry, mutational analysis and molecular structure.

In his laboratory, Dr. Inesi focuses on how cells take up calcium and use ATP, a well-characterized mechanism

continued on page 29

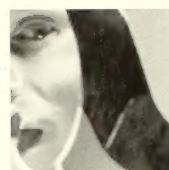
Steroids and the Brain, continued

how estrogen behaves in the brain. "The behavior can be quantified and repeated, and is easier to measure than hormone levels," she explains.

The experiments investigate an inhibitory transmitter gamma-aminobutyric acid (GABA) in the control of gonadotropin secretion and reproductive behavior. Dr. McCarthy's studies have concluded that the specific brain location of the GABA receptors influences whether reproductive behavior increases or decreases.

Steroids clearly affect GABA receptors, she adds, which in turn exert control over neuronal excitability in the mammalian brain. GABAergic neurons appear involved in a number of brain maladies including epilepsy and panic disorders—syndromes that manifest themselves in women during particular phases of the menstrual cycle, Dr. McCarthy says. Valium, too, acts on the GABA receptors. So elucidating the precise mechanics of estrogen action on the GABAergic neurons have a more far-reaching implication than determining the sexual behavior of rats or estrogen's effect on the rat brain, she notes.

- G.C.



Stroke Strikes Young Women, Too

Who is at Risk?

Like heart attacks and osteoporosis, the risk of strokes, for most of us, is a fear we reserve for old age. But stroke victims also include women in their 20s and 30s—young mothers, college students, women beginning careers. In a 5-year study, University of Maryland investigators are hoping to identify factors which increase the risk of stroke at an early age.

"It's exciting to be working on a preventive medicine issue with profound implications for women's daily lives," says principal investigator Dr. Steven J. Kittner. Dr. Kittner believes that the continuing uncertainty about the connection between oral contraceptives and the risk of stroke may be keeping some women off the Pill. Working with 13 co-investigators in neurology and epidemiology, he estimates the study will eventually include 250 women with stroke identified through referring neurologists and medical records departments and a control group of 500 women identified by random digit dialing.

Now in the third year of the five-year project, Dr. Kittner's staff interviews prospective participants, or those close to them, in person to learn historical factors that may have contributed to the stroke. They also draw a blood sample from the patient to be checked for, among other things, antiphospholipid antibodies associated with a hypercoagulative state and for levels of homocysteine, an amino acid associated with premature occlusive vascular disease. "However," says Dr. Kittner, "our purpose is primarily to look at such risk factors as oral contraceptives, migraine, and smoking, and how these factors may interact to increase the risk of stroke."

The research team has established a consortium of 61 teaching, community and specialty hospitals in Maryland, Pennsylvania and the District of Columbia to identify women between the ages of 15 and 44 (inclusive) who have suffered a first ischemic stroke. "It takes literally thousands of contacts to identify several hundred eligible cases," says Barbara Reed Feeser, the study's project director, "so we have several staff members working all the time on participant identification, verification and follow-up."

Dr. Kittner hopes to add knowledge that can better guide the medical profession's recommendations for who can safely take oral contraceptives. While there are two other studies under way nationwide and one international study, Maryland's is the only one funded by NINDS (The National Institute for Neurologic Disorders and Strokes) and the only study focused entirely on ischemic stroke. Eventually, Dr. Kittner hopes to pool his research data with that from the other studies to create a comprehensive picture of all types of stroke in young women.

Is the Maryland study in part a response to the growing pressure for paying additional attention to women's health issues? "I'm sure that being about women's health helped us get funding," says Dr. Kittner, "but I like to think that, at Maryland, we thought this was an independently important issue that warranted study—not simply a politically correct one."

Physicians who believe they have a patient who could participate in the study should call the study information line, 410-706-7673.

- K.M.



The Vital Link

Exploring the Cholinergic Synapse

Although the nicotinic acetylcholine receptor in the peripheral nervous system is one of the most studied neurotransmitter receptors, little is known about the structure and function of its counterparts in the central nervous system.

However, neurophysiologic data on the cholinergic synapse has exploded in recent years, thanks to new biochemical, molecular biological and biophysical techniques. Scientists believe the nicotinic acetylcholine receptors play a major role in learning and memory and other critical functions of the brain. The central cholinergic pathway also appears to be involved in pathological conditions such as Alzheimer's disease and nicotine addiction.

This fall, the University of Maryland School of Medicine will host an international symposium entitled "The Cholinergic Synapse: Structure, Function and Regulation." The symposium will feature more than 60 world-renowned scientists, including Dr. Julius Axelrod of the National Institute

of Mental Health, the honorary chairman of the meeting. His Nobel Prize-winning work on biochemical mechanisms of drug and hormone actions and metabolism is one of the cornerstones of chemical neurotransmission.

Edson X. Albuquerque, M.D., Ph.D., professor and chairman of pharmacology and experimental therapeutics in the School of Medicine, organized the scientific event together with Drs. Fernando Hucho of Berlin, Israel Silman of Rehovot, and Rami Rahamimoff of Jerusalem.

Dr. Albuquerque's own research has begun to characterize the nicotinic acetylcholine receptors in the CNS of mammals. Recent experiments have shown that these neuronal receptors are highly permeable to calcium, a finding that may demonstrate their role as second messenger cascades.

The symposium will be held November 6-10, 1994 in Baltimore at the Stouffer Harborplace Hotel. For information, call (410) 706-7330.

- G.C.

Energy Center of Cells, continued

that primarily involves a single protein. "We examine the transport from one side to the other," he says, by studying a complex set of chemical moving vans. These include proteins and enzymes with amino acid sequences of 10 or more undulating helical segments. Dr. Inesi uses protein synthesis to manufacture a specific protein from cDNA. Through recombinant DNA technology, he can manipulate enzymatic, transport and regulatory functions of the cell. This cellular engineering goes beyond simply inserting and expressing a gene, to a higher level of integration. Cells are manipulated to generate improved yields and productivity. Experiments using the newly formed protein yield information about protein structure, binding sites and reactivity of the transport enzyme—ATPase.

The large size of ATPase presents an obstacle to the scientific study, Dr. Inesi says. On the molecular scale, a great distance separates the site where calcium binds from where ATP is phosphorylated, making it difficult to define the precise chemical actions, he adds. Immunological techniques help "assess protein function and differentiate the action of isoforms or mutants that may have formed during synthesis and could alter the protein's affinity for calcium," he says.

Dr. Inesi's research continues to uncover the molecular architecture of ATPase and which residues bind to calcium. One project looks at an extremely potent extract from a plant called thapsigargin that inhibits calcium from binding with ATPase. Dr. Inesi hopes future studies will reveal where thapsigargin binds and whether altering the molecular structure of thapsigargin will change its inhibitory effect.

- G.C.

If you would like more information about research described in this section, or would like to participate in collaborative therapy trials, we invite you to call the number at the end of the story, or the University Physicians Consultation and Referral Service, 1-800-373-4111.





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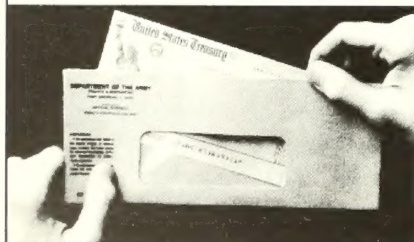


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MSB022561

Class Notes

1937

George J. Weems of Huntingtown, MD is a member of the Calvert County Medical Society.

1940

Guillermo Pico of Santruce, PR was honored last year with Doctor in Science Honoris Causa from Interamerican University and with a governor's appointment to the Council on Higher Education.

1946

Robert R. Brown of Romney, WV retired from practice March 1991. **J. Poulson Hunter** of Salt Lake City, UT and his wife, Marge, celebrated their golden wedding anniversary last January. **William F. Park** of Wheeling, WV retired from practicing ophthalmology in 1990.

1947

Louis W. Grossman, Jr. of New Castle, PA is working a minimum of 60 to 80 hours weekly.

1952

Benjamin A. Addison of St. Simons Island, GA is semi-retired. **Leon D. Hankoff** of West Hempstead, NY serves on the medical ethics committee of the Federation of Jewish Philanthropies in New York.

Norton Spritz of New York, NY continues as chief of medicine at the New York Veterans Administration Hospital and is a lawyer who received his degree in 1978 and was admitted to the New York Bar. He is a member of the Association of the Bar of New York AIDS Committee and also a member of the New York State Office of Professional Conduct.

1954

John F. Hartman of Baltimore, MD writes that he has made two trips on the restored World War II liberty ship S.S. John Brown, and that he is considering being on board when the ship travels to Normandy to observe the 50th anniversary of the World War II battle.

1956

Gerald D. Schuster of Bowie, MD will run for a seat in the Maryland State Legislature this year to represent Charles County.

1957

Richard C. Reba of Chicago, IL is the 1993-94 president of the Society of Nuclear Medicine and a member of the American Medical Association House of Delegates. Dr. Reba is a Fellow of the American College of Physicians and a past president and Fellow of

the American College of Nuclear Medicine.

1958

Bruce N. Curtis of Thatcher, AZ celebrated the 20th anniversary of the Mt. Graham Community Hospital in December. Dr. Curtis is one of two physicians who were at the hospital when it opened its doors.

1959

George S. Trotter of Jacksonville, FL is president of the Duval County Medical Society this year and aims to strengthen the Jacksonville Medical/Legal Coalition, an alliance formed in 1992 between the medical society and the Jacksonville Bar Association. The coalition is designed to let both professional groups collaborate on community issues with a broader insight due to their different views.

1960

Wilson A. Heefner of Stockton, CA retired from a practice of pathology and nuclear medicine six years ago and is pursuing a second career as a military historian. This year he will publish two of his papers: "The Inchon Landing," in *Military Review*, and "American-Korean Relations: 1853-1949," in *The*

American Asian Review. His first book, *Hoosier Warrior: The Life and Military Career of Major General Edwin D. Patrick*, (White Mane Publishing Co.) will be in bookstores early next year. Dr. Heefner is currently doing research for a critical biography of the late General Walton H. Walker. **Richard C. Lavy** of Annapolis, MD presented the results of a study on "Streptococcus Pneumoniae and Haemophilus Influenzae Type B Response With Asthma and Sinusitis" at the annual meeting of the American College of Allergy and Immunology in Atlanta, GA.

1962

Merrill I. Berman of Baltimore, MD writes that he and his wife, Roslyn, now have two grandchildren. **Paul Burgan** of Baltimore, MD is serving as secretary to the Baltimore City Medical Society this year.

1963

Richard L. Goldman of Avon, CT served a residency in diagnostic radiology, and was a fellow in neuroradiology at Yale before practicing neuroradiology in Pittsburgh and the Hartford Hospital in Connecticut.

1964

Dominic A. Culotta of Holland, PA is past president of the medical staff at St. Mary's Hospital in Langhorne, PA and currently serves as president to the Bucks County Medical Society. **Barry Rosenbaum** of Silver Spring, MD is serving a two-year term as president to the Medical and Dental Staff of the Holy Cross Hospital in Silver Spring.

1966

Kenneth R. Koskinen of Bel Air, MD is a diplomate of the American Board of Medical Management, chief of medical staff and deputy commander at Malcolm Grow Medical Center, Andrews Air Force Base and is currently enrolled as an MBA student with the Florida Institute of Technology.

1969

Leonard D. Cutler of Chevy Chase, MD practices dermatology and teaches Washington Hospital Center and George Washington University residents the techniques of injecting collagen. His son, Larry, majors in computer science engineering at Stanford, where he is a member of that school's chapter of the National Engineering Honor Society.

1970

Gary W. Miller of Parkersburg, WV was elected president of the West Virginia State Orthopedic Society. **Stanley S. Tseng** of Huntington Beach, CA is a clinical professor of ophthalmology at the University of California, Irvine where he was honored with the Outstanding Clinical Professor Award, a tribute to wise counsel, endless patience and selfless dedication to the education of resident physicians.

1971

William Merritt of Phoenix, MD directs all computer buffs and anesthesiologists to the advertisement on the back of "*Anesthesiology*."

1974

Ira Dietz of Trumbull, CT is a psychiatrist and psychoanalyst who practices privately, is a faculty member at the Training and Research Institute for Self Psychology in New York City and the author of several articles that have appeared in major psychoanalytic journals on the subject of self psychology. He and his wife, JoAnn, have two children. **Barry S. Gold** of Baltimore, MD published an extensive update on current

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Class Notes

concepts in management and treatment of poisonous snakebite in the United States earlier this year.

1975

L. Thomas Divilio of Easton, MD chairs the Department of Surgery and is vice chief of staff at the Memorial Hospital there. He is a member of The American College of Physician Executives, the nation's only educational and professional organization for physicians in medical management.

Malcolm S. Henock of Euclid, OH is vice president of professional affairs at University

MEDNET, a multispecialty group practice in Cleveland, OH. He is currently completing studies in the executive MBA program at the Weatherhead School of Business at Case Western Reserve University. **Kenneth V. Iserson** of Tucson, AZ has written a book which promotes organ and tissue donation: *Death to Dust: What Happens to Dead Bodies* published by Galen Press in February 1994.

1977

Joseph L. Braun of Friendswood, TX is the director of Integrated Systems

Development with Epic Hospitals in Houston, medical director of Monsanto Chocolate Bayou in Liverpool, TX and continues his private practice in Alvin, TX. Dr. Braun received an MBA from the University of Phoenix earlier this year. **Marlene T. Hayman** of Rockville, MD is currently practicing with Kaiser Permanente and has two children. **Stuart B. Taylor** of Gaithersburg, MD practices pediatrics; he and his wife, Sheila, have three children.

1978

Martin H. Kroll of North Potomac, MD left the

National Institutes of Health earlier this year and is currently the associate director of clinical chemistry at the Johns Hopkins Hospital and an associate professor of pathology at the Hopkins medical school. He and his wife, Ellen, have three children. **David A. Mishkin** of Baltimore, MD has specialized in pulmonary diseases since 1985. He and his wife, Diane, announced the birth of their daughter Ariel, born April 25, 1993.

1979

Jeffrey D. Gaber of Lutherville, MD is an assistant clinical professor of medicine

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Class Notes

at the University of Maryland and a 1993 recipient of an AOA award. **Elizabeth Laposata** of Providence, RI is chief medical examiner for the state of Rhode Island. **Owen M. Wolkowitz** of Palo Alto, CA is associate professor in psychiatry at the University of California, San Francisco and the winner of the 1992 Curt P. Richter psychoneuroendocrinology prize of the International Society of Psychoneuroendocrinology. His name is listed in Best Doctors in America: 1994-95.

1980

Michael Righetti of Whitefish, MT relocated his practice from San Francisco to Whitefish. **Kenneth H. C. Silver** of Baltimore, MD was promoted earlier this year to associate professor of neurology and rehabilitation at the University of Maryland where he will be the attending physician in the rehabilitation medicine service at the Baltimore Department of Veterans Affairs Medical Center and medical director of outpatient rehabilitation services at Montebello Rehabilitation Hospital. **Paul E. Whittaker** of Tacoma, WA invites his

medical school classmates to stop by for drinks in the hot tub on the beach of Puget Sound.

1981

Samuel C. Gold of Manchester, NH practices ophthalmology with a subspecialty of in vitro retinal surgery. He and his wife, Ellen, have two children and are expecting their third in May 1994.

1982

Pedro P. Arrabal of Ellicott City, MD completed a two-year maternal-fetal medicine fellowship at the University of Maryland and serves as assistant chairman and residency director in the department of OB/GYN at Harbor Hospital Center in Baltimore.

1983

Harry A. Oken of Ellicott City, MD is chairman of medicine at Howard County General Hospital in Columbia, MD. **Marsden Keith Rawlings** of Dallas, TX is medical director for the Parkland Hospital's Community Oriented Primary Care Program, an ambulatory care program for the medically underserved of Dallas County. Dr. Rawlings is on the faculty of the University of Texas Southwestern Medical School

in the department of medicine and family practice. **Stuart B. Taylor** of Gaithersburg, MD is in a group pediatric practice; he and his wife, Sheila, have three children.

1984

Joesph Adams and **Linda E. Barr** of Baltimore, MD have a two-year-old son named Zachary. Linda is an assistant professor of pulmonary and critical care medicine at Johns Hopkins Medical School and Joe practices internal medicine in Towson. **Martha J. Coleman** of Rockville, MD and her husband, Joseph, have four children and Martha is happy to be at home "full time." **Katherine D. Tobin** of Arbutus, MD and her husband, Richard, have two children, Kaitrin and Bridget.

1985

Jay K. Kolls was honored by Merck, Sharp & Dohme at its regional meeting of the Southern Society of Clinical Investigation when he was named first place recipient of their Young Investigator Award. **Karen L. Shore** of Dedham, MA is a partner in a busy pediatric practice near Boston. She and her spouse, Joseph Reid, have a daughter named Sarah Elizabeth who is 3-and-one-half years old and who, earlier in the year,

Continued on page 36

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Class Notes

accompanied Karen to Washington for the American Academy of Pediatrics Annual Meeting.

1986

Scott William Fosko of University City, MO is a cutaneous micrographic surgeon on the faculty of Saint Louis Health Sciences Center.

Michael L. Gosey of Ocean Springs, MS along with his wife, Annette, and daughter Samantha are really enjoying their new addition, Blaine James, who was born September 9, 1993. Daniel G. Lewis of Sacramento, CA and his wife, Sandy, now have two daughters: Elizabeth Lee, born December 16, 1993, and Meg, born August 4, 1992.

1987

Michael Silverman of Columbia, MD concluded his

University of Maryland Fellowship in cardiology in June and will start practicing with Hantman, Paines & Valenti PA in July.

1988

Nancy Bunker of East Meadow, NY and spouse, Steven Goldstein '89, proudly announce the birth of their second child, Joseph Michael Goldstein born last January.

Jose E. Dominguez of Baltimore, MD completed a fellowship in pediatric anesthesia at Children's National Medical Center before opening a private practice in Baltimore. He and his wife, Donna, expect their first "bambino" this summer.

Donald O. Kregar of Philadelphia, PA wrote earlier this year that he was finishing a fellowship in reproductive endocrinology and infertility

at the University of Pennsylvania. He and his wife, Jill, have two children. David B. Shnitzer of Houston, TX wrote in February that he planned to move to Toledo, OH where he would join a private practice group. Bradford M. Tepper of Garden City, NY completed a fellowship in child and adolescent psychiatry in June.

1989

Azar P. Dagher of Baltimore, MD is an instructor of neuro-radiology at Johns Hopkins.

Judith Hutchinson of Timonium, MD and her husband, Paul, were blessed with another daughter, Amy Lynne, December 1993. Glenn

Sandler of Philadelphia, PA will complete a surgical residency in June 1995. He has had several articles published relating to surgical management of breast cancer; he is particularly interested in the development of laparoscopic surgical techniques.

1990

Jay W. Floyd of Naples, Italy is a U.S. Navy physician; he will remain in Italy with his wife, Donna, and their son Robert until August 1996.

Mark A. Mighell of Chesapeake, VA announces the birth of his second child,

Mark Alan II. Marguerite E. Pinard of Tampa, FL writes that she and her husband, Alfonso Chen, and their two children, Stephen and Emily, have left Panama to return to Tampa.

1991

Barbara Buch of Baltimore, MD writes of her new house, a great new job and some great new friends—but she misses her old friends.

1992

Joseph Manley is relocating from Albuquerque, NM to become a resident in anesthesiology at the University of Maryland Medical Systems.

Keep in Touch

We enjoy hearing from alumni and hope you enjoy reading about the avocations, professional accomplishments and personal milestones of your colleagues. Please help keep us informed. Write to Class Notes Editor, Medical Alumni Association, 522 West Lombard Street, Baltimore, MD 21201. Or, get in touch by phone, 410-706-7454, or FAX, 410-706-3658.

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Faculty and Staff News

Eli Y. Adashi, M.D., professor, department of obstetrics, gynecology and physiology and director of the division of reproductive endocrinology, delivered the Eighth Griff T. Ross Memorial during inter-institute endocrine grand rounds at the National Institute of Child Health and Human Development at NIH.

Governor William Donald Schaefer has named **Robert A. Barish, M.D.**, **Murray Kalish, M.D.**, and **John Ashworth III** to the Maryland Emergency Medical Services Advisory Council. The Council is the principal advisory body to the state's 11-member EMS Board.

The Federation of State Medical Boards of the United States and the National Board of Medical Examiners have appointed vice dean **Frank M. Calia, M.D.**, to the United States Medical Licensing Examination (USMLE) Step 2 Test Material Development Committee for Medicine. USMLE provides a common evaluation system for all applicants for medical licensure in the United States.

Alan Marc Levine, M.D., professor of orthopedic surgery and oncology is an award-winning co-editor of *Skeletal Trauma*, named best clinical text by the American Association of Book Publishers.

Herbert L. (Skeet) Muncie, Jr., M.D., chair of the department of family medicine, and **David Stewart, M.D.**, associate professor, family medicine, were recently named by *Baltimore Magazine* as two of the city's 20 most trustworthy physicians. [Of the 20, 12 were either educated at the School of Medicine or completed their residency at the University of Maryland Medical Center. Others include **Frank Claudy, M.D.**, **Lorraine Dailey, M.D.**, **Jerome Koepfel, M.D.**, **Marion Kowalewski, M.D.**, **John Lavin, M.D.**, **Louis Miller, M.D.**, **Michael Martin, M.D.**, **Robert Moss, M.D.**, **Alan Reisinger, M.D.**, **Matilda So, M.D.** and **Joseph Zebley, M.D.**

David A. Nagey, M.D., Ph.D. was the scientific program chair for the recent District IV meeting of the American College of Obstetrics and Gynecology (ACOG), and will chair the committee on the scientific program for the upcoming annual clinical meeting of the national ACOG. Dr. Nagey will be the general chair of that same conference in 1995.

S. Michael Plaut, Ph.D., assistant dean for student affairs and associate professor of psychiatry has been appointed by Governor William Donald Schaefer to chair the state's

newly formed Task Force on Professional-Client Sexual Exploitation.

The board of the Robert Wood Johnson Health Policy Fellowships Program has named **James C. Wade, M.D., F.A.C.P.**, a 1994-95 Robert Wood Johnson Health Policy Fellow. Dr. Wade is professor of medicine and oncology and head of the section of infectious diseases and microbiology in the University of Maryland Cancer Center.

John F. Wilber, M.D. has been invited to be the leader of a 30-member delegation of endocrinologists to visit four

cities in China for professional interchanges next September under the aegis of People-to-People International.

Donald E. Wilson, M.D., dean of the School of Medicine, has been appointed to a position on the National Committee on Foreign Medical Education and Accreditation. As a committee member, Dr. Wilson will evaluate the standards of accreditation applied to applicant foreign medical schools, and determine the comparability of those standards to standards for accreditation applied to United States medical schools.

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In Memoriam

Allen W. MacGregor '17
Southbury, CN
February 27, 1993
Dr. MacGregor interned at the University of Maryland Hospital and studied surgery at Johns Hopkins University Hospital. Following two years with the DuPont medical staff, Dr. MacGregor accepted a position at Paterson General Hospital in New Jersey where he was an associate on the surgical staff and later chief of surgery, a position he held for 40 years. He was elected a Fellow of the American College of Surgeons, and was a member of the New Jersey Society of Surgeons and the American Medical Association. He lived in Paterson and Ho-Ho-Kus, NJ, before moving to Southbury 20 years ago. In addition to his wife, he is survived by a daughter, two grandchildren and one great-grandchild.

Hyman S. Rubinstein '28
Baltimore, MD
March 17, 1994
A neurologist, psychiatrist and psychoanalyst who interned at Sinai Hospital in Baltimore, Dr. Rubinstein was a director at Sinai for close to two decades. He served on the faculties of the University of Maryland Medical School and Washington School of Psychiatry. Dr. Rubinstein had numerous scientific papers published and was a recipient of the Weaver Fellowship in

neuroanatomy. During his career, he served as national president of the Medical Students' Aid Society and was affiliated with many civic, cultural and philanthropic organizations. Among his survivors are two daughters, five grandchildren and two great-grandchildren.

George M. Baumgardner '30
Finksburg, MD
March 5, 1994
After an internship at Mercy Hospital and a residency at St. Joseph's Hospital in Baltimore, Dr. Baumgardner established a practice in Rosedale that continued until 1976 when he retired and moved to Charlestown, WV. At the time of his death, Dr. Baumgardner was a resident of the Carroll Lutheran Village retirement community in Westminster, MD. During his career, he delivered 5,000 babies, including quintuplets, and half of those births were at-home deliveries. Dr. Baumgardner is survived by his son, John M. Baumgardner, two grandchildren and three brothers,

Charles Hunter Moricle '39
Reidsville, NC
February 11, 1994
Dr. Moricle entered the University of Maryland School of Medicine in his junior year as a transfer from Wake Forest University. He interned and served a residency at City

Memorial Hospital, Winston-Salem, NC. During his 40 years of practice, Dr. Moricle was Chief of Surgery and Chief of Staff at Annie Penn Memorial Hospital in Reidsville; he retired in 1985. Active in civic affairs, he was on the local school board for 28 years and was a trustee of Rockingham County Community College. He founded the Wake Forest University Deacons Club and served a term as president of that school's alumni association. Among those surviving Dr. Moricle are his wife, son, three daughters and two grandchildren.

Lester Caplan '40
Lutherville, MD
March 18, 1994
Following a rotating internship at University Hospital, Dr. Caplan served a residency in pediatrics. He practiced in Baltimore until his retirement in 1984. In 1966, Dr. Caplan was named chief of pediatrics at North Charles General Hospital, and was also affiliated with Johns Hopkins, Sinai and Union Memorial Hospitals. During his career, Dr. Caplan was an assistant clinical professor of pediatrics on the University of Maryland hospital staff. He was a member of the Phi Delta Epsilon Medical Fraternity on its national board of trustees. Dr. Caplan is survived by his wife, Ruth, two children and two grandchildren.

Newton W. Hershner Jr. '41
Mechanicsburg, PA
February 7, 1994

Ross C. Brooks '43M
Salisbury, MD
February 20, 1994

Merritt E. Robertson '43D
Naples, FL
July 20, 1994
Dr. Robertson interned at Union Memorial and served his residency at St. Joseph's Hospital in Baltimore. His family practice career in Wendell, N.C. began in 1947 and continued in that location for 36 years. On the occasion of his 50-year medical school class reunion, Dr. Robertson wrote of his career highlights during 1949 through 1951, when he performed home deliveries of babies. During his retirement, he enjoyed fishing and golfing. He is survived by his wife, Etta, a graduate of the University of Maryland School of Nursing '41.

James M. Trench '47
Mystic, CN
November 12, 1993
Dr. Trench completed one year of psychiatric residency at St. Francis Hospital, Pittsburgh, and two years at the Institute of Living where he became a staff psychiatrist prior to establishing a private practice in 1954. He held appointments as assistant professor of psychiatry at the

University of Connecticut School of Medicine and as associate professor of clinical psychiatry at Yale University School of Medicine. During his career, Dr. Trench chaired the department of psychiatry at Lawrence and Memorial Hospital in New London, CT, and served in the American Psychiatric Association's governing body, the Assembly of District Branches. He was also a member of the Governance Board of the Eastern Connecticut Mental Health Center. He is survived by his wife, Alma.

John B. Codington '53

Wilmington, NC

March 1, 1994

Dr. Codington retired from practice in 1990 and was elected to the North Carolina Senate two years later. During his medical career, he was a member and past president of the New Hanover, Brunswick, Pender Medical Society and a member of the North Carolina Medical Society, the North Carolina Surgical Association and the American College of Surgeons. He served as chief of the medical staff at Cape Fear Memorial Hospital. Through the Presbyterian church, he conducted medical missions to Haiti for more than 15 years, where he treated sick patients and taught surgical techniques to local doctors. Dr. Codington was an avid gardener and a member

of the Tidewater Camellia Club. He is survived by his wife, Elizabeth.

Anthony C. Broccoli '59

East Greenwich, RI

December 21, 1993

Dr. Broccoli did postgraduate work in ophthalmology at Harvard University and was the first resident in that specialty at Rhode Island Hospital. Since 1970, he was chief of ophthalmology at St. Joseph Hospital, Fatima Unit. He was also affiliated with Rhode Island Hospital and Roger Williams Medical Center. Dr. Broccoli was a member of numerous medical societies and a Coast Guard veteran. His survivors include his wife, Bernice, two daughters, three sons and five grandchildren.

Donald M. Barrick '62

Timonium, MD

January 7, 1994

A Washington, D.C. native, Dr. Barrick served in the Air Force before attending college and medical school. He interned at University of Maryland Hospital. Specializing in general and vascular surgery, Dr. Barrick began a private practice in Baltimore which he continued until illness forced him to retire in 1992, when he also resigned as chief of staff at Maryland General Hospital. Dr. Barrick graduated from the University of Maryland

Law School in 1984 and practiced with the Towson law firm of Seiland and Jednorski. Dr. Barrick enjoyed flying and, as a private pilot, his favorite destination was Maryland's Eastern Shore. Among his survivors are his wife of eight years, Donna, three sons and grandsons.

William D. Kaplan '69

West Newton, MA

March 29, 1994

Dr. Kaplan was an intern and resident at the Washington Hospital Center in the District of Columbia before going on to Peter Bent Brigham and Children's Hospital in Boston to complete his training in nuclear medicine. He was a professor of nuclear medicine at Dana Farber Cancer Institute in Boston for more than 15 years. Dr. Kaplan was widely known for his contributions to brain tumor imaging and for his use of nuclear medicine to trace the lymphatic system in preparation for radiation therapy. Dr. Kaplan was a Fellow of the American College of Nuclear Physicians and a member of a number of advisory boards and committees. Among his survivors are his companion, Susan M. Connors, his daughter, Ann S. Kaplan, his son, W. Douglas, and his wife, Susan Kaplan, from whom he was separated.

Faculty and Friends

Dr. Wilson H. Elkins

Baltimore, MD

March 17, 1994

Dr. Elkins was president of the University of Maryland from 1954 through 1978. During his tenure the University of Maryland saw racial integration, Vietnam War protests, the opening of the Baltimore County campus and creation of a statewide university system. Although he always discounted the accolades of his admirers, Dr. Elkins is widely credited with bringing national stature to a faltering institution. As a result of his efforts, recognition was extended by the Phi Beta Kappa honorary society and the Association of American Universities.

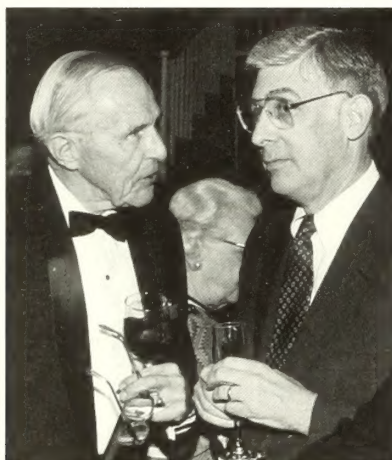
T. Benjamin Massey, president of the UM System's University College, describes Dr. Elkins as "a lifelong champion of an educated citizen" and credits him as "the guy who built the modern University of Maryland." Dr. Elkins is survived by his wife, two daughters, two stepsons, six grandchildren and one great-grandson, but will be missed by all who benefited from his life's work.

Memorial donations may be made to the Wilson Elkins Professorship at the University of Maryland Foundation, Metzgerott Road, Adelphi, MD 20783 or through the Medical Alumni Association.



On Friday, April 22 Dr. Frank Calia, vice dean of the School of Medicine, and Carole Cassidy Miller, executive director of the Medical Alumni Association, hosted a reception for members of the American College of Physicians and local alumni in connection with ACP's annual meeting in Miami Beach, where Dean Donald E. Wilson was honored by being made a Master of the College. Dr. Wilson and Dr. Calia held a lively discussion with reception guests on the school's curriculum reform plans which go into effect this fall.

(sorry, no photos available from this event)



On Tuesday, March 22, Dr. John Kastor and the Department of Medicine hosted a dinner in honor of Dr. Theodore Woodward's 80th birthday. The affair was held in Davidge Hall as a special tribute to Dr. Woodward's greater than 50 years of service to the University of Maryland School of Medicine. Seventy-two family members and friends attended.

On February 25, 1994, administrators, alumni, friends and relatives gathered at the Center Club to celebrate Samuel Shipley Glick '25 for his many years of caring and dedicated service to the children and families of the City of Baltimore and the State of Maryland.

Dr. Marianne Felice, vice chairman of pediatrics presented a slide show, "Tribute to a Healer" on Dr. Glick's life and Dr. Michael Berman, chairman of pediatrics presented Dr. Glick with a gift from the department and proclamations from Governor William Donald Schaefer and Mayor Kurt Schmoke.



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21	11.50	11.40	18.75	18.55	35.42	35.00	68.75	67.92
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33	11.50	11.40	18.75	18.55	35.42	35.00	68.75	67.92
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35	11.50	11.40	18.75	18.55	35.42	35.00	68.75	67.92
36	11.80	11.60	19.38	18.96	36.67	35.84	71.25	69.59
37	10.25	11.80	20.42	19.59	38.75	37.09	75.42	72.09
38	10.67	10.09	21.46	20.21	40.84	38.34	79.59	74.59
39	11.17	10.59	22.71	21.46	43.34	40.84	84.59	79.59
40	11.67	11.34	23.96	23.13	45.84	44.17	89.59	86.25
41	12.25	11.67	25.21	23.96	48.34	45.84	94.59	89.59
42	12.84	12.25	26.25	25.21	50.42	48.34	98.75	94.59
43	13.59	12.67	27.71	26.25	53.34	50.42	104.59	98.75
44	14.25	13.00	29.38	27.30	56.67	52.50	111.25	102.92
45	15.35	13.34	31.05	28.13	60.00	54.17	117.92	106.25
46	16.50	14.00	33.13	28.96	64.17	55.84	126.25	109.59
47	17.84	14.67	35.00	30.00	67.92	57.92	133.75	113.75

MONTHLY RATES

Issue Age	\$100,000		\$250,000		\$500,000		\$1,000,000	
	Male	Female	Male	Female	Male	Female	Male	Female
48	19.25	15.67	37.50	31.05	72.92	60.00	143.75	117.92
49	20.84	16.92	40.00	32.71	77.92	63.34	153.75	124.59
50	22.75	18.34	42.92	33.96	83.75	65.84	165.42	129.59
51	24.67	19.67	45.84	36.46	89.59	70.84	177.09	139.59
52	26.92	21.00	49.17	39.38	96.25	76.67	190.42	151.25
53	29.34	22.67	52.50	42.30	102.92	82.50	203.75	162.92
54	31.84	24.42	56.67	45.42	111.25	88.75	220.42	175.42
55	34.92	26.25	61.88	48.75	121.67	95.42	241.25	188.75
56	38.34	28.25	67.30	52.30	132.50	102.50	262.92	202.92
57	41.67	30.34	73.55	56.46	145.00	110.84	287.92	219.59
58	45.50	32.75	80.21	61.46	158.34	120.84	314.59	239.59
59	50.09	35.34	88.34	67.30	174.59	132.50	347.09	266.92
60	55.67	37.84	97.71	73.55	193.34	145.00	384.59	287.92
61	62.50	40.34	109.17	80.42	216.25	158.75	430.42	315.42
62	70.34	43.34	121.46	88.75	240.84	175.42	479.59	348.75
63	78.75	46.92	135.42	98.55	268.75	195.00	535.42	387.92
64	87.75	51.34	150.84	109.80	299.59	217.50	597.09	432.92
65	96.84	56.17	168.13	121.88	334.17	241.67	666.25	481.25
66	106.17	60.84	187.30	131.46	372.50	260.84	742.92	519.59
67	115.17	65.50	207.30	141.46	412.50	280.84	822.92	559.59
68	125.17	69.67	229.59	152.09	457.09	302.09	912.09	602.09
69	137.17	72.92	257.30	159.59	512.50	321.25	1022.92	640.42
70	152.92	75.42	292.50	170.42	582.92	338.75	1163.75	675.42
71	171.34	82.42	332.92	187.30	663.75	372.50	1325.42	742.92
72	192.09	91.00	378.75	207.92	755.42	413.75	1508.75	825.42
73	215.50	102.09	430.21	234.38	858.34	466.67	1714.59	931.25
74	241.42	115.75	486.88	266.46	971.67	530.84	1941.25	1059.59
75	269.92	131.42	549.17	302.92	1096.25	603.75	2190.42	1205.42

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20	16.59	16.09	34.38	31.25	66.67	60.42	131.25	118.75
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31	16.84	16.09	35.00	31.25	67.92	60.42	133.75	118.75
32	17.09	16.09	35.63	31.25	69.17	60.42	136.25	118.75
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36	18.59	16.42	38.96	32.30	75.84	62.50	149.59	122.92
37	19.59	16.84	41.25	33.34	80.42	64.59	158.75	127.09
38	20.59	17.17	43.75	34.38	85.42	66.67	168.75	131.25
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43	28.34	22.42	61.67	46.46	121.25	90.84	240.42	179.59
44	30.50	23.25	66.67	48.75	131.25	95.42	260.42	188.75
45	33.25	24.00	72.09	50.63	142.09	99.17	282.09	196.25
46	35.42	25.00	76.05	51.88	150.00	101.67	297.92	201.25
47	37.84	26.00	80.00	53.55	157.92	105.00	313.75	207.92

MONTHLY RATES

Issue Age	\$100,000		\$250,000		\$500,000		\$1,000,000	
	Male	Female	Male	Female	Male	Female	Male	Female
48	40.42	27.50	84.80	55.42	167.50	108.75	332.92	215.42
49	43.17	29.42	89.59	57.92	177.09	113.75	352.09	225.42
50	46.50	31.67	95.00	60.42	187.92	118.75	373.75	235.42
51	49.34	34.00	101.05	64.59	200.00	127.09	397.92	252.09
52	52.25	36.34	107.09	69.17	212.09	136.25	422.09	270.42
53	55.42	39.34	113.75	74.17	225.42	146.25	448.75	290.42
54	58.50	42.34	121.88	79.38	241.67	156.67	481.25	311.25
55	62.25	45.67	131.67	84.59	261.25	167.09	520.42	332.09
56	68.34	49.50	140.21	90.42	278.34	178.75	554.59	355.42
57	74.34	53.50	149.38	97.71	296.67	193.34	591.25	384.59
58	81.34	58.34	158.96	106.25	315.84	210.42	629.59	418.75
59	89.59	63.34	170.42	116.25	338.75	230.42	675.42	458.75
60	99.50	68.34	183.55	127.30	365.00	252.50	727.92	502.92
61	111.84	73.00	204.17	139.17	406.25	276.25	810.42	550.42
62	125.92	78.42	226.67	153.75	451.25	305.42	900.42	608.75
63	141.17	84.92	251.88	170.63	501.67	339.17	1001.25	676.25
64	157.34	93.00	280.00	190.21	557.92	378.34	1113.75	754.59
65	173.67	102.00	310.84	211.46	619.59	420.84	1237.09	839.58
66	190.50	110.92	344.38	228.55	686.67	455.00	1371.25	907.92
67	206.67	119.84	378.55	247.09	755.00	492.09	1507.92	982.08
68	224.67	128.00	417.09	266.67	832.09	531.25	1662.09	1060.42
69	246.34	134.59	464.38	284.80	926.67	567.50	1851.25	1132.92
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71	307.75	151.34	597.71	332.30	1193.34	662.50	2384.59	1322.92
72	345.09	164.59	680.21	370.00	1358.34	737.92	2714.59	1473.75
73	387.25	183.92	772.92	418.13	1543.75	834.17	3085.42	1666.25
74	433.84	206.67	875.21	477.09	1748.34	952.09	3494.58	1902.09
75	485.17	232.50	987.09	543.96	1972.09	1085.84	3942.09	2169.58

Other amounts available upon request. Premiums are standard rates based on applicant's age at issuance of policy. **Premiums may be paid annually, semi-annually, and monthly bank draft only.** (A No-cost Medical Exam may be required depending on age, health, or amount of coverage desired). Policies \$100,000 and above, CE-82 Plus, Policy Form No. 80-RCT-79D, Graded Premium, Level Death Benefit to age 95. Premiums increase annually.

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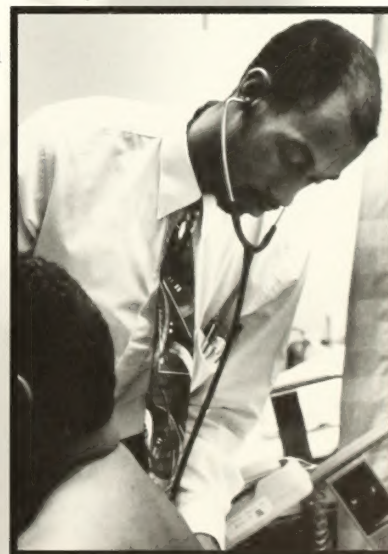
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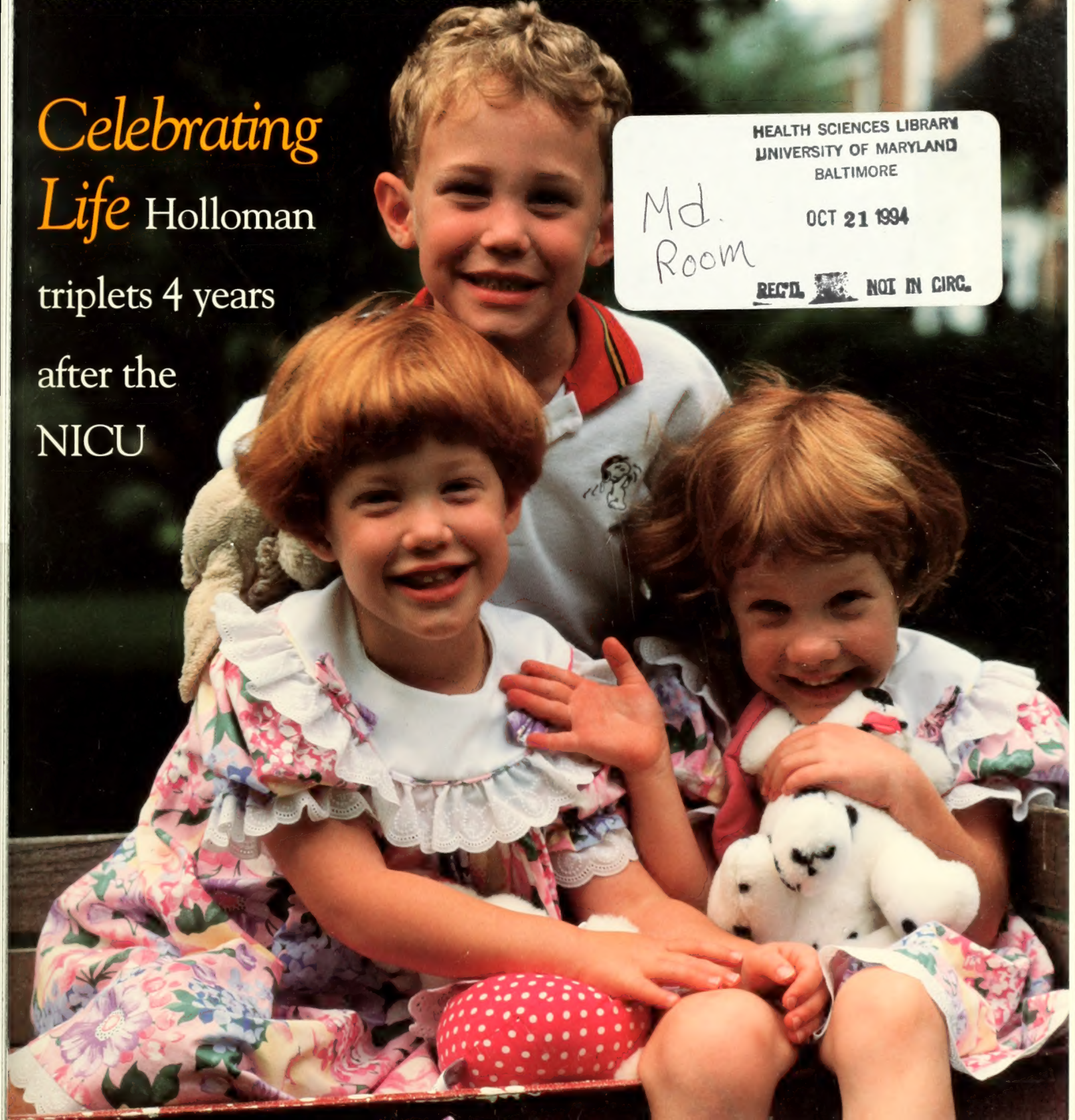
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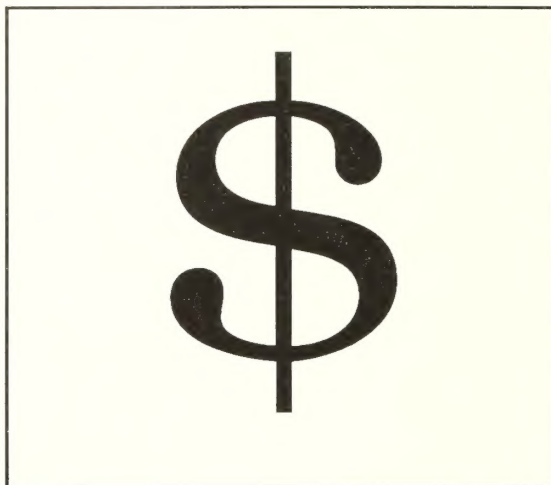
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Message from the Dean



Donald E. Wilson, M.D., Dean

As you read this fall issue of *The Bulletin*, we have completed the first several weeks in the initial phase of our new curriculum.

In the summer issue of *The Bulletin*, I explained why it was imperative that we modify our curriculum. Briefly, we realized we must begin to teach students how to learn; we must anticipate changes in how and where we care for people, from the inpatient to the ambulatory setting; and we must do these things while improving our standing as a research university.

Some of the changes that evolved from our two-year-long curriculum review began with the Class of 1998. The new curriculum was launched with a one-week "boot camp" in informatics, an understanding of which is critical to deal with the information explosion occurring all around us.

The University of Maryland School of Medicine is the country's first medical school to make medical informatics training an integral, required part of the curriculum. The emphasis is on teaching future physicians how to access information and use it to deliver a high level of patient care.

Daily activities of the freshman curriculum have

also undergone dramatic change. Daily lectures will generally last no more than two hours, with twice weekly small group discussions and twice weekly laboratory (e.g., Anatomy Lab, Computer Learning Center) offering opportunities to demonstrate basic science materials. One day each week, part of the class will go to a clinical site or alternate learning area for the longitudinal Introduction to Clinical Practice course.

Problem-based learning sessions utilizing the small group concept will be held twice weekly in several of the designated blocks (e.g., Cell and Molecular Biology, Neurosciences, Principles of Human Behavior). The remainder of the week is designated for independent study.

The integrated curriculum continues in year two, with continuation of blocks such as Immunology, Epidemiology and Preventive Medicine and Pathophysiology. Small group, problem-based and independent learning also continue, as does clinical practice.

The third and fourth years are now viewed as a single unit, with the student assuming progressive responsibility for patient care. These years consist of clerk-

ships (including e.g., Medicine, Surgery, Family Medicine), student internships in one of four clinical fields, an elective period and an ambulatory experience. The closer contact that our students will have with faculty will allow us to better evaluate individual learning and needs.

We believe this new curriculum will prepare our students for the increasing responsibilities implicit in changes in health care delivery systems, and we will share its progress in more detail in future issues of *The Bulletin*.

While it remains to be seen what those changes will be, we are already anticipating and adapting to them. The School of Medicine, the school's clinical practice plan (University Physicians, Inc.) and the University of Maryland Medical System are engaged in a number of initiatives designed to allow us to respond more effectively to changing health care demands. This is necessary in order to maintain our teaching and research missions and provide quality care to our communities.

One such initiative is the formation of a Physicians Hospital Organization (PHO). The PHO will be

jointly developed by the dean, School of Medicine and the president of the Medical System. This organization will allow us to respond more effectively to managed care offerings, as well as to develop our primary care initiatives, particularly in the communities surrounding the University of Maryland Medical Center. We will keep you apprised of how we are adapting to change as it happens.

On the subject of changes, there are some new faces at the School of Medicine. Garvin Maffett, Ed.D., has been named chief development officer for the University of Maryland Medical Center. He comes to Maryland from Yale University, where he was associate director of leadership and major gifts. Larry Pitrof has also joined us as the executive director of the Medical Alumni Association. Larry was previously director of alumni affairs for the Washington College of Law at the American University. Finally, Sylvan Frieman, M.D., who I am sure many of you know, has assumed the presidency of the Medical Alumni Association. As such, he will also become an ex-officio member of the

School of Medicine's board of visitors.

I know each will play a vital role in generating support for School of Medicine strategic initiatives, particularly the successful completion of our \$32 million capital campaign goal for endowment and programmatic needs, such as curriculum reform. Much of that success will depend upon the relationships they will build and strengthen with alumni around the country. They are always available to answer any questions you may have.

We were pleased with your many requests for information concerning deferred gifts that benefit the School of Medicine.

Finally, should you have any comments or questions about our activities in the School of Medicine, please do not hesitate to contact me. As always, thank you for your continuing support.



Donald E. Wilson, M.D.
Dean



Stephen Spartana

Each year approximately 550 very tiny patients are admitted to the sixth floor of the University of Maryland Medical Center hospital. They have entered the world too soon—long before they can tolerate room air or suck and swallow milk. In this issue, we look at how our 40-bed Neonatal Intensive Care Unit, the largest in the state, is helping these fragile infants in their struggle to survive.

The Holloman triplets pictured on our cover—Vassie, Kate and Hannah—were three such infants. Born at

28 weeks, they weighed about 2-1/2 pounds each and had a 50/50

In this issue

chance of survival. But with the help of the NICU's advanced care and specialized team of medical professionals, they more than beat the odds. Now at age 4-1/2, Vassie is the tallest child in his pre-school class and all three have perfect vision.

Join us as we look at this remarkable unit—with its specialized follow-up care ensuring that each infant develops to the best of his or her ability, its latest clinical research developments that could lead to new therapies for premature lungs, and its innovative assessment program designed to make an infant's environment less stressful. We look too at the efforts of a group of parents who joined together to show their appreciation.

Our fall issue also brings you highlights of Reunion 1994. The four-day program in May featured the traditional Crab Feast at the HarborView Marina, the Annual Alumni Gala Dinner Dance, brunch at the Camden Club followed by an Orioles game, and class parties held at a wide variety of locations in and around the city.

Almost 1,000 enthusiastic alumni and guests helped set our all-time record for reunion attendance and make it one of the best ever!

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News

Welcome to:



Larry Pitrof
Executive Director
Medical Alumni Association

On August 1, Larry Pitrof became the new executive director of the Medical Alumni Association. Mr. Pitrof was formerly the director of alumni affairs for the Washington College of Law at The American University, where he directed fundraising efforts, organized reunions and special events,

recruited volunteers, contributed to the capital campaign effort for a new building, and oversaw the production of the alumni magazine.

Prior to his last position, Mr. Pitrof was the director of alumni and parent programs at North Carolina Wesleyan College. He holds a bachelor of arts in mass communications from the University of Wisconsin-Milwaukee where he also later served as director of marketing, promotions and sports information.

Mr. Pitrof replaces Carole Cassidy Miller who left to assume the position of director of development of the Parkinson's Institute in California. **B**



Garvin S. Maffett, Ed.D
Chief Development Officer

Garvin S. Maffett, Ed.D, has been named chief development officer for the University of Maryland Medical Center. An accomplished fundraising professional with extensive experience in major gifts, annual giving and alumni relations, Dr. Maffett comes to the medical center after

five years at Yale University, most recently as associate director of leadership and major gifts. In this capacity, he was responsible for directing the university's development activities as well as planning for the New York and New Jersey region's portion of Yale's \$1.5 billion comprehensive fundraising campaign.

He began his career in academe, having held positions in the admissions offices of Pennsylvania State University and Albright. He recently completed his doctorate in educational administration from the Teachers College of Columbia University.

Dr. Maffett's focus is raising major gift support for strategic medical center initiatives. He is working with School of Medicine alumni and medical center department chairs and faculty to identify, cultivate and solicit major gift prospects. **B**

Best wishes to MAA executive director

Carole Cassidy Miller, executive director of the Medical Alumni Association since 1991, has resigned to accept a new position as director of development at the Parkinson's Institute in Sunnyvale, California.

Under Ms. Miller's leadership, contributions to the Medical Alumni Association reached record levels and attendance at the reunion events swelled. During her

tenure *The Bulletin* magazine was given a new look and the alumni perpetual fund was established. In addition, she implemented a new accounting software program to insure accuracy of cash flow and operating statements.

Ms. Miller also worked hard to develop relationships at the School of Medicine. This effort was highlighted by the association's \$250,000 pledge to the capital campaign.



Carole Cassidy Miller

Ms. Miller moves west to join her fiancé and her son, who attends college in California. **B**

News

Capital Campaign Update

The Campaign for Maryland's Medical Center continues to make steady progress, having raised almost \$20 million of the Medical System's \$43 million goal and \$20.6 million of the School of Medicine's \$32 million goal. Thanks to the efforts of the Campaign's volunteer leadership, the Medical Center recently received two gifts.

William M. Passano, a new member of the Medical System's board of directors, was instrumental in securing a \$25,000 donation for the Medical System from Waverly, Inc., where Mr. Passano serves as chairman of the board of directors. He also serves as treasurer for the board of trustees of the James Lawrence Kernan Hospital.

Richard D. Adams, a member of the Cancer

Center Advisory Board, helped acquire an additional commitment of \$30,000 for the Cancer Center from the Helen P. Denit Trust, bringing the Denit Trust's total contributions to the Campaign to \$80,000.

Helen P. Denit, a prominent resident of Montgomery County, established the charitable trust to support scientific, educational and certain religious causes.

Mr. Adams is a vice president with Security Trust, the trust company for Maryland National Bank.

For additional information on The Campaign for Maryland's Medical Center, call the Medical Center Development Office, 410-328-4400. **B**

The News and Advances sections are prepared with thanks to the public affairs officers of the University of Maryland at Baltimore (410-706-3572) and the University of Maryland Medical Center (410-328-6776) and the Baltimore Veterans Affairs Medical Center (410-605-7101):
Jill Bloom
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Hurston's gift endows orthopedic surgery chair



Dr. and Mrs. Maxwell Hurston; Carole Miller, former executive director of the Medical Alumni Association; and Dean Donald E. Wilson at a dinner in honor of Dr. Hurston.

"The School of Medicine gave me the tools to create the life I have lived," said Maxwell Hurston '30 who recently gave the school a \$1.5 million gift to endow a chair in orthopedic surgery. "I could not have reached this point in my life without the critical knowledge that I gained here as a medical student."

Dr. Hurston, a practicing orthopedic surgeon until 1973 and a consultant until 1985, established a charitable

remainder trust fund with a gift of appreciated stock for the benefit of the School of Medicine. A bequest will bring the total principal of the trust to \$1.5 million.

"We are very grateful to Dr. Hurston for his generosity to our School of Medicine," said Dean Donald E. Wilson. "This gift will help us continue improving the quality of education for many students in the years to come." **B**

Acupuncture shows promise for osteoarthritis of the knee

A new study conducted at the University of Maryland Medical Center shows that acupuncture helps to relieve the pain and disability caused by osteoarthritis of the knee. The findings were presented at the 1994 Clinical Research Meeting in Baltimore on April 30.

"Acupuncture has been used for over 3,000 years and recently there has been a renewed interest in it here in the United States," says Brian Berman, M.D., assistant professor of anesthesiology and family medicine at the University of Maryland Medical Center and principal investigator of the study. "Acupuncture is an accepted treatment for arthritis in Asian countries and has been shown there to be useful in treating osteoarthritis of the knee. In addition, there are few if any side effects."

Current treatment includes the use of painkillers such as acetaminophen or nonsteroidal anti-inflammatory drugs. "Sometimes these drugs do not offer total pain relief and in the case of the nonsteroidal anti-inflammatory drugs, some patients are unable to tolerate them. That is especially true of elderly patients who are most affected by this disease. We

wanted to see if acupuncture would be a good adjunctive therapy to reduce the use of some of these medications and their potential side effects," says Madalene Greene, M.D., postdoctoral fellow in the division of rheumatology and clinical immunology at the University of Maryland Medical Center and a co-author of the study.

In the study, 12 patients with moderate to severe osteoarthritis of the knee received twice weekly acupuncture by an experienced acupuncturist, Lixing Lao, Ph.D., co-author of the study, for a period of eight weeks. Each patient had at least moderate pain despite being treated with either a nonsteroidal anti-inflammatory drug or with acetaminophen. All remained on their current medications throughout the study. The results were judged in two different ways: patients' descriptions of their conditions and assessments by the researchers, which included measuring how long it took each patient to walk 50 feet. Assessments were made after four weeks, at eight weeks when the treatments were finished and again at 12 and 24 weeks to test the long-term benefits.



Acupuncture is an ancient Chinese treatment grounded in the theory that the body's energy, or "chi," runs along pathways known as meridians and that blockages of these pathways cause disease.

The study found the following results:

Number of patients who reported feeling less pain and improved walking ability:

33 percent after four weeks
60 percent after eight weeks
73 percent after 12 weeks
75 percent after 24 weeks

Patients who were functioning better, based on physician assessments:

42 percent after four weeks
70 percent after eight weeks
64 percent after 12 weeks
25 percent after 24 weeks

"The benefit of the acupuncture seems to increase with the duration of the treatment. Four weeks after we stopped the acupuncture, patients still had benefits of the treatment," says Marc Hochberg, M.D., M.P.H., professor of medicine and epidemiology and preventive medicine at the University of Maryland Medical Center and a co-

author of the study. "But 16 weeks after the acupuncture treatments, the benefits seemed to wane, although patients were not necessarily back to where they were."

University of Maryland Medical Center researchers are planning a larger, controlled trial on the effectiveness of acupuncture in treating osteoarthritis of the knee. **B**

Scientists discover new tick-borne infection

A team of scientists has uncovered a new, sometimes fatal bacterial disease that is spread by a tick bite. This disease, which had never been found before in humans, has now been confirmed in 12 cases from Minnesota and Wisconsin, two of which resulted in death. The findings were published in the July 20 issue of the *Journal of the American Medical Association*.

"Patients develop a high fever, usually a severe headache, along with muscle aches. The infection also can produce a variety of symptoms including nausea, vomiting, and diarrhea," says J. Stephen Dumler, M.D., assistant professor of pathology at the University of Maryland Medical Center who is one of the scientists that made the discovery.

"Unlike some of the other tick-borne diseases, such as Lyme Disease or Rocky Mountain Spotted Fever, skin rashes are not a common symptom, at least as far as we can tell with this new disease," Dr. Dumler says.

The new disease is called Human Granulocytic Ehrlichiosis. It is caused by a form of bacteria called ehrlichia, which attacks white blood cells and is carried by ticks. It is similar to bacteria that have caused illness in horses in the U.S.

and cows, sheep, and goats in Europe.

The bacteria were identified in the 12 patients between 1990 and 1993, using new molecular diagnostic techniques that look for and amplify the DNA of the organism. These types of bacteria cannot be identified with standard blood culturing methods. The 12

Unlike some of the other tick-borne diseases, such as Lyme Disease or Rocky Mountain Spotted Fever, skin rashes are not a common symptom.

patients ranged in age from 29 to 91, but most were elderly. The median age was 78.

Fortunately, Dr. Dumler says, the infection has been treated successfully by certain antibiotics. "Eleven of the twelve patients who were identified in Duluth, Minnesota by Dr. Johan S. Bakken were treated with tetracycline and they recovered rapidly. One died in spite of the antibiotic treatment.

Dr. Dumler adds that some tick-borne infections

can persist or come back after antibiotic therapy. He stresses that prompt treatment is important.

The two patients whose infections proved fatal did not die from the bacteria itself. Instead, Dr. Dumler says the bacteria may have altered the patients' immune resistance so severely that they died of opportunistic infections, which healthy people can fight off.

One patient from Wisconsin had candida, a yeast infection. The second patient who lived in Minnesota had cryptococcus and a herpes infection. Both had documented tick bites, and interestingly, they both had been in remission from

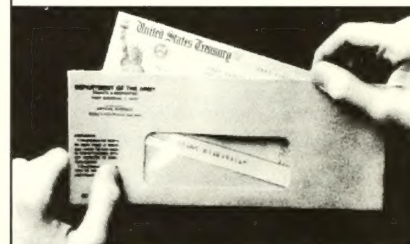
different forms of cancer. Dr. Dumler says other patients whose immune systems were healthy had become very ill from this organism.

The researchers say there are many unanswered questions—such as which specific type of tick carries the disease, and the mechanism by which the organism causes people to become ill.

Dr. Dumler says no cases have been identified yet in Maryland or the Mid-Atlantic Region, but he would like to speak with physicians who think they may have seen patients affected with the newly identified bacteria. **B**

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Medical therapy for enlarged prostate less costly than surgery

A University of Maryland Medical Center study looking at the cost of various treatments for benign prostatic hyperplasia (BPH) finds that drug therapy is less expensive than surgery, even if patients remain on the medication for up to 35 years. The study disproves a widely held assumption that surgery is less costly than taking medicine over many years. The findings were presented in May at the 1994 American Urological Association Annual Meeting in San Francisco.

"We looked at these treatments in true economic terms. Although patient considerations are very important, we did not look at which treatment would be more advantageous to the patient in this study. We wanted to get a true financial analysis," says Michael J. Naslund, M.D., assistant professor of surgery and Director of the Maryland Prostate Center at the University of Maryland Medical Center. Dr. Naslund is a co-author of the study.

The study compared the cost of surgery, which involves removal of obstructing prostate tissue, to the cost of the two leading drugs used to treat the obstruction, Finasteride and Terazosin. Finasteride works by shrinking the size of the prostate

and decreasing obstruction. Terazosin relaxes the smooth muscle in the prostate and decreases resistance to urine flow.

The study found that medical therapy saves around \$1,500 per patient in the most conservative estimates. The data for the cost of surgery was acquired from National Medicare data from 1992 and allowed for the cost of treating complications and reoperations. The cost of medical therapy was based on the average retail price of the two drugs for calendar year 1992. The levels of effectiveness of the drugs were also taken into account. The difference in follow-up costs between surgery and medical management were also factored in. Since BPH is often a long-term disease, payments for medication were looked at over a 35-year time period. The cost over that time period was discounted back to present value using financial modeling. That amount was then compared to the cost of doing surgery.

"While the Medicare cost for surgery was around \$9,500, medical treatment in our study came to about \$8,000," says Michael Stitcher, a financial analyst at the University of Maryland Medical Center and co-author of the study. Dr. Naslund's model indicates that even if 80 percent of

men on medication need to go on to surgery, medical therapy would still be less expensive than surgery when looking at all men who need treatment for an enlarged prostate. Currently, it appears that one-third to one-half of men can avoid surgery with medication.

"In this era of health care reform, health care providers and insurers are looking more closely at the costs of health care. This type of model may prove useful to compare the costs of other treatment options in other diseases," says Dr. Naslund. He cautions that physicians

should not make treatment decisions based on cost, but rather on what treatment is best for each patient.

BPH will affect 80 percent of all men during their lifetime. About 330,000 men have surgery for BPH each year, while around 200,000 take medication. **B**

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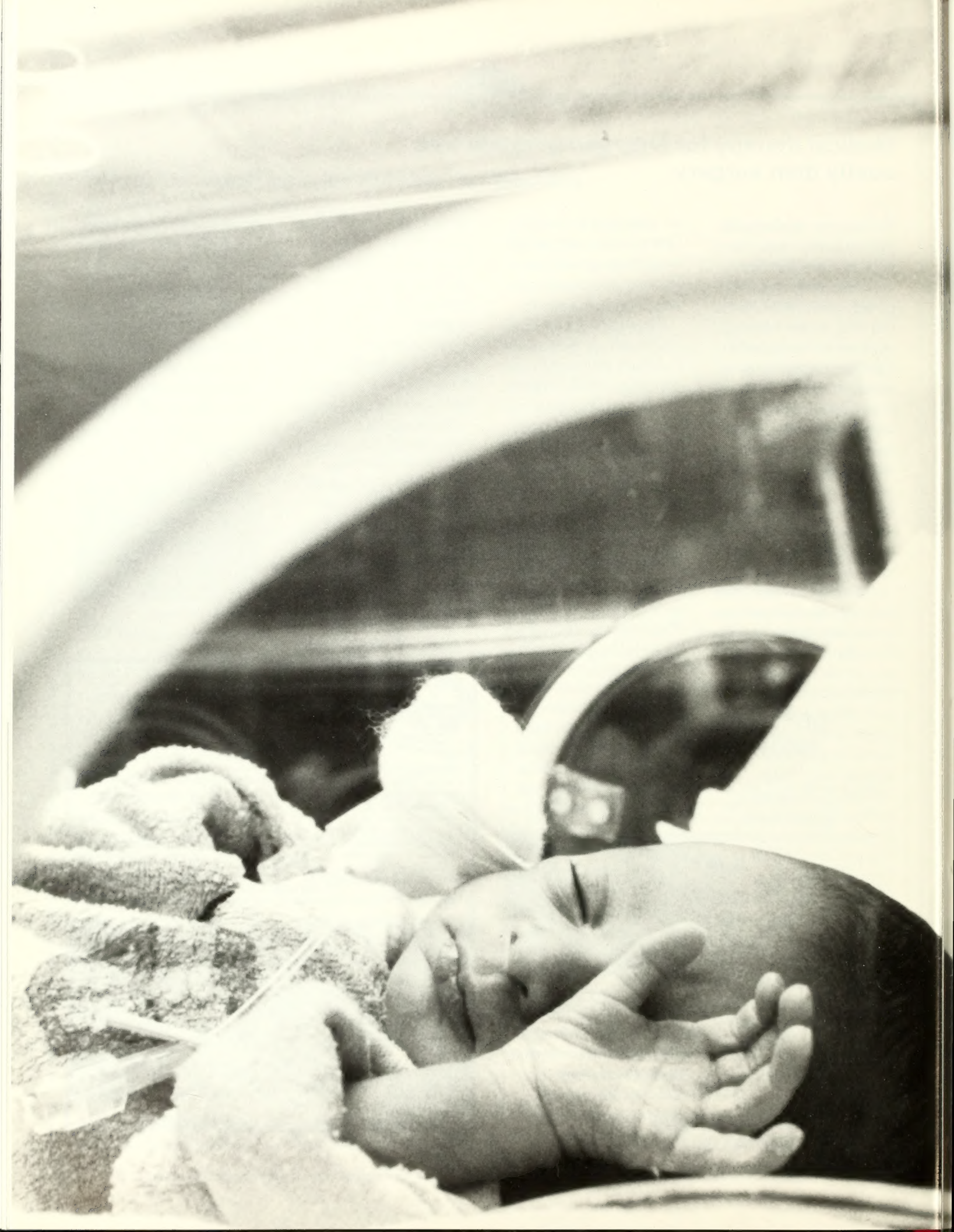


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WHEN LIFE BEGINS TOO SOON

UMMC's Neonatal Intensive

Dr. Ira Gewolb reaches into the plastic isolette and gently strokes the head of tiny Brittany Thomas. Born at 28 weeks, she has been in the Neonatal Intensive Care Unit (NICU) for three months.

But today brings welcome news. Tests show she may be able to tolerate bottle feeding instead of being fed through a tube. Dr. Gewolb is happy but cautious. Nurse Shelly Wainwright is less restrained. "It will soon be lunchtime," she softly croons to her tiny charge.

Baby Brittany is one of 40 infants in the NICU who battle the cardiac, respiratory and other complications of being born early, before the normal 40-week gestation period. Leaving the refuge of the womb, these tiny beings enter the world before their lungs can tolerate

*Care Unit
offers its magic
touch to tiny
patients
struggling to
survive.*

By Ginny Cook

room air or their mouths can suck and swallow the milk they need to grow.

But in the NICU on the sixth floor of University of Maryland Medical Center hospital, these fragile infants find the most advanced tertiary care and a specialized team of medical professionals who aid their struggle to survive.

"We have one of the major clinical, research and training programs in the region," says Dr. Gewolb, head of the division of neonatology and the director of the NICU, the largest unit of its kind in the state. The specialized care continues even when the babies are discharged. A neonatal follow-up clinic tracks the progress of these preemies until age three so each infant can develop to the best of his or her ability. >

"OUR GOAL IS TO HELP CHILDREN REACH THEIR FULL POTENTIAL."

Visits and vital signs

The sounds of technology harmonize with a baby's cry in the NICU. Monitors blip and peal and physician pagers beep against the background voice of the overhead paging operator and the wail of an unhappy infant. Dr. Cathy Ward, a second-year pediatric resident, rattles off the vital signs and conditions of the infants in her charge. Morning rounds have begun—a blend of medical instruction and updates of patient conditions.

With 40 tiny and sick babies, it takes two teams to manage their care. As the rotating attending physician, Dr. Gewolb leads one group who oversees the care of 20 newborns. In tow are Dr. Ward, Dr. Erwin Cabacungan, second year fellow, Dr. Karen Mason, second year pediatric resident, Karl Gumper, clinical pharmacist and a German medical student.

The team surrounds each isolette, notebooks in hand, pencils poised to scribble notes. One baby has a heart murmur and needs a cardiac consult. Another had a SIDS-like episode and nearly died just before it was to be discharged. Still another was born with a hole in the abdomen causing the intestines to spill outside the body. These have been rolled in gauze, and suspended above the tiny belly until the abdominal muscles grow and there is room to push them inside where they belong. "It's just like rolling up a tube of toothpaste," Dr. Gewolb explains.

The team makes its way from baby to baby. When the mother is at the bedside listening to the medical presentation, Dr. Gewolb is as quick to soothe an anxious parent as he is to field a medical question. "We're happy, Mom," he tells one woman after hear-

ing about the baby's condition.

Not all babies have visitors, however. One tiny infant sleeps peacefully but abandoned in his isolette. When his mother was discharged from the hospital after her delivery, she gave a false name and address.

As Dr. Ward begins to relate the medical history of a baby in respiratory distress, a nurse interrupts. The "resus (resuscitation) team" has been summoned to labor and delivery to assess a premature infant about 34- to 36-weeks old. Just 18 hours before, the mother had shot up with heroin.

Survival and surfactant

With rounds interrupted, Dr. Gewolb talks like a proud father about the success and innovations of the neonatology unit. "We've received \$800,000 in equipment in the last >



In 1988, the NICU expanded from 28 to 40 beds making it the largest neonatal intensive care unit in the state.

three years," including high frequency oscillatory ventilation and computerized pulmonary function testing, he says. And the division has a computerized database that can deliver a complete medical update on any baby in the unit to pediatricians or other physicians 24 hours after admission or discharge.

Even the popular press has picked up on the achievements of the neonatology division, he says. A "coffee table" book he bought for a visiting Russian colleague mentioned UMAB and its renowned programs in Shock Trauma and neonatology.

"Someone," he smiles, "is getting the message." And the message, according to Dr. Gewolb, is survival statistics. Babies born weighing between 1,500 and 2,000 grams (about 3 to 4 pounds) survive at a rate of greater than 95 percent. Those born in the hospital weighing between 800 and 1,000 grams have a 92 percent survival rate while babies weighing between 600 and 800 grams have a 75 percent survival rate.

"These are incredible numbers," Dr. Gewolb explains.

Using pulmonary surfactant on premature infants has dramatically altered their survival picture, he adds. A lipid-protein, this substance prevents the air sacs or alveoli of the lungs from collapsing. Without it, the sacs adhere to one another, eventually suffocating the infant.

Just five years ago synthetic surfactant was an experimental treatment. Erin Holloman had to sign a waiver before her triplets could receive it.

After she went into premature labor, Mrs. Holloman spent an interminable three weeks at University Hospital as doctors tried to stop her labor and give her babies time to grow. But at 28 weeks, Vassie, Kate and Hannah refused to wait any longer. Delivered by emergency Caesarean section to eliminate any stress on the infants, they weighed about 2-1/2 pounds each. After they were whisked to the NICU, "I learned they had a



A kinder, gentler approach

The intensive care unit is more than academic research, clinical expertise and high tech. There is a kinder, gentler approach.

"Ever stuck your head in an isolette?" asks Dr. Gewolb, tapping the plastic-lidded box as the team returns and rounds resume. "It's noisy in there."

Babies in utero are shielded from noise and bright lights, says Kathe Campbell, nurse manager of the neonatal unit. So why not give them similar buffers when they enter the world prematurely?

That's the aim of the NIDCAP—Neonatal Individual Development Care and Assessment Program. "We want to decrease the stimuli and make their environment less stressful," Campbell

says. The assessment program is an objective measurement tool where specially certified nurses gauge infant behaviors that include breathing, respiration, color, position and facial expressions, and make recommendations about the best ways to care for the infants to improve their outcomes.

It could be something as simple as placing a sleeping infant on her side rather than her stomach. "These babies need to use their energy to breathe and grow, not respond to physical distress," Campbell explains.

By the fall, 10 staff members will be NIDCAP-certified to assess the infants and will consult with the staff and work with families, she adds. **B**

50/50 chance to survive," she recalls.

For Mrs. Holloman and her husband Vassie, "our world exploded into an intense blur of emotions." With three babies in three different rooms, the couple's time was splintered for two months as they waited for each baby to come off the respirator, fight

infections, learn to eat and grow big enough to come home.

Now at age 4-1/2, Vassie is the tallest child in his pre-school class and all the children have perfect eyesight—no retinopathy—"a testament to the care they received in the neonatal unit at Maryland," Mrs. Holloman says. >

"Grateful Parents"

Showing appreciation by helping others

Anne Lindemon spent 65 days in the Neonatal Intensive Care Unit at the University of Maryland. And her parents Jean and Bob were right by her side during the lengthy hospital ordeal.

But so were a cadre of physicians, nurses and social workers who helped the couple adapt to the complications of having an infant who weighed 786 grams—1 pound, 11 ounces— at birth.

"The staff was so very caring," Mrs. Lindemon says. Even when she was in the labor and delivery room, Dr. Ira Gewolb, director and head of the division of neonatology, came in to reassure me that he and the staff would do everything possible to save my baby. I wanted to think of some way to say thank you and to support the babies up there."

Grateful Parents grew out of her concern. Its first initiative is a benefit dance and

*"I'm not wealthy, but I feel
I'm a very rich person."*

raffle to be held this fall with proceeds going to the neonatal unit. Mrs. Lindemon hopes to raise \$10,000.

The money could help make parents and babies more comfortable up on the unit, she says. "In the parent's room, there are only little chairs—nothing to sleep on if you spend the night." And many of the babies come from families who can't provide needed clothes, blankets, mobiles and toys.

"I've been blessed with a healthy little girl," Mrs. Lindemon says. At 13 months, Anne has grown to a height of 27-1/2 inches and weighs 16 pounds. "I'm not wealthy, but I feel I'm a very rich person."

The dance will be held November 5 at the Teamsters Hall, 6000 Erdman Avenue and features a live band, 8th Day. Tickets are \$22.50 per person. There is also a raffle for a color television and \$100. For tickets please call 410-284-8514 before 9 p.m. **B**



Each year, approximately 550 neonates are admitted to the NICU including 100 surgical cases and more than 100 infants transported by the Maryland Regional Neonatal Transport program.

Lunch at their house finds a trio with energy that borders on bedlam though they still have scars from intravenous sites—their "badges of honor," as Mr. Holloman says.

Although surfactant therapy has increased the survival odds of low birth weight infants, bronchopulmonary dysplasia and factors that influence lung growth and maturation continue to plague babies in the neonatal nursery. Research holds the key to solving these and other problems. And the neonatology division has bolstered its scientific base by adding research faculty, increasing its publications and scientific presentations and receiving funds to pursue projects. (See page 15.)

Life after the NICU

While the survival statistics for premature babies have increased, the handicap rate has remained at 20 percent since the 1970s, says Dr. Rose Viscardi, medical director of the follow up clinic. These handicaps include cerebral palsy,

mental retardation and hearing and vision loss and run the spectrum from mild to severe.

"Generally, the smaller the baby, the greater the chance there will be long-term problems," she says.

Studies have shown that intraventricular hemorrhage and bronchopulmonary dysplasia, have the greatest impact on development during the first two years, Dr. Viscardi explains. And the family has a major impact on how these babies fare. Infants with a low socioeconomic status or from single parent families face an increased risk of problems.

"Our goal is to help children reach their full potential," she says. By identifying problems and targeting developmental delays or neurological abnormalities, "we can get help early to minimize the handicap," Dr. Viscardi adds.

Children come to the clinic at 3 months or within a month after discharge and then at 6, 9, 12 and 18 months and two and three years of age, says Liz Tyahla, nurse coordinator of

the follow up clinic. Each appointment comes complete with two Polaroid snap shots—one to take home and one so the NICU staff can see the babies grow up.

According to Tyahla, 444 children came through the clinic in 1990. Three years later in 1993, the number of babies jumped to 721. Nearly 30 percent of these children required the special skills of a developmental pediatrician.

Open only on Thursday afternoons, clinic staff often see 20 young patients in three hours, Tyahla says. Referrals come from Mercy and UMMS and a few other local hospitals. But many others are discharged from intensive care units at community hospitals without the benefit of follow-up care, a practice "that actually worries me," admits Dr. Viscardi.

"Society spends a lot of time and money so these babies can survive but puts in very little effort when they go home," she says. Yet, the follow-up clinic can pick up problems that might be missed during well-baby checkups. Most pediatricians may do

some screening for developmental delays using the Denver test. But this screening tool underestimates delays, according to Dr. Viscardi. In the clinic, the Maryland Premature Developmental Inventory, developed by Dr. Renee Wachtel at the University of Maryland, is designed to assess development in premature infants.

The clinic also offers strength in numbers. "We want to reassure referring pediatricians that we are not practicing primary care medicine on these children," Dr. Viscardi says. Instead, the clinic offers an entire team of specialists from dietitians to social workers to developmental pediatricians who evaluate the child, then collaborate and work with the family, the pediatrician and local agencies to obtain needed help.

"We spend \$100,000 or more for each baby in the NICU up to the day of discharge," Dr. Viscardi notes. "We need to put more effort, more money into making sure that investment pays off. We have to make the patient a productive member of society." **B**

The division of neonatology offers a three-year fellowship program with rotations in neonatal care units at the Medical System and Mercy Medical Center—a unit that was expanded to 20 beds in July and admits 300 babies a year.

The Breath of Life—

NICU's pulmonary research offers new hope

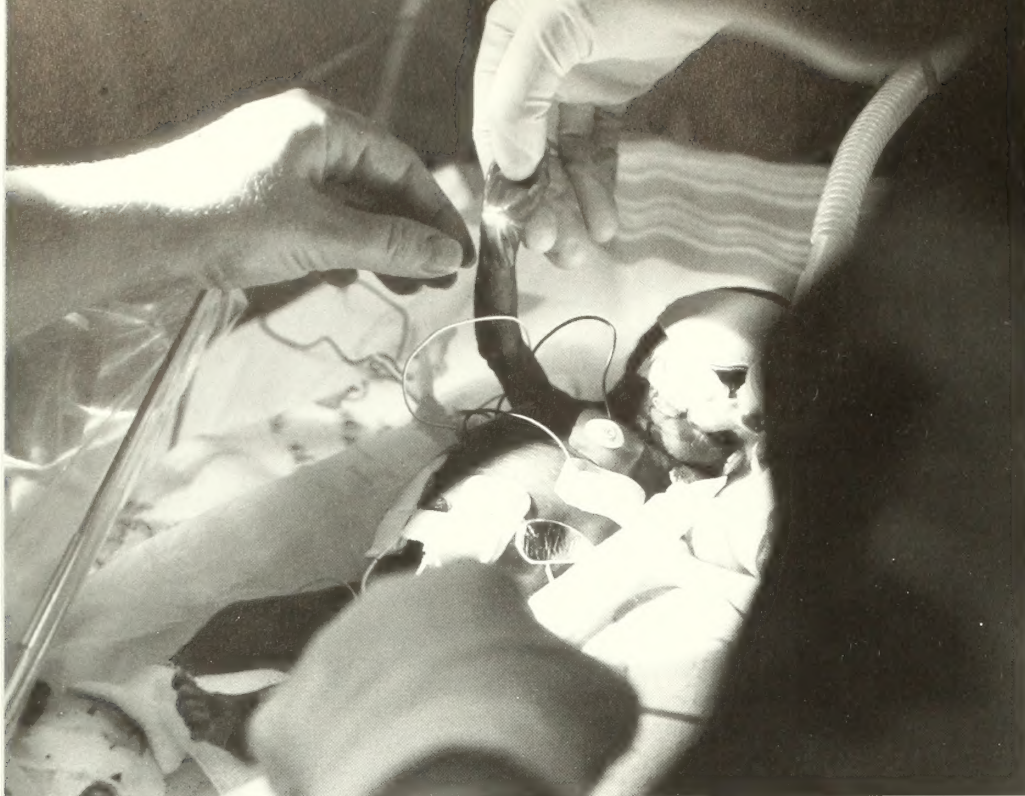
Lung maturation plays a critical role in the survival of premature babies. Yet the cellular mechanisms of lung growth and development remain an enigma. Neonatology researchers in the School of Medicine are beginning to uncover clues about the effects of nutrition, androgens, glucose, and opiates on lung development that could lead to new therapies for premature lungs.

Dr. Rose Viscardi, associate professor and medical director of the follow-up clinic is looking at the role of nutrition in fetal lung development. Now there are no recommendations regarding what pregnant women should eat other than to increase their number of calories, she explains. "We're studying whether diet alters the composition of the cell membrane and if that affects an enzyme in surfactant synthesis in rats," she says.

In a separate project, Dr. Viscardi is trying to define the factors associated with inflammation in the neonatal lung. In a study published in *Pediatric Research*, "We examined whether cytokines and tumor necrosis factor interact to modulate a cascade of cell-cell signaling events involved in inflammation contributing to the development of chronic bronchopulmonary dysplasia (BPD)," she wrote. "What's striking in BPD is the individual difference in response to the same injury. It doesn't appear to be related to gestational age or birth weight," she explains. Instead, heredity may predispose some infants with respiratory distress syndrome to develop BPD, she adds.

Dr. John Torday, professor of pediatrics, has found that androgens influence lung development supplying males with larger lungs but giving females lungs that are much more mature. Androgens cause fetal lung tissue to grow but not differentiate, he says. While both sexes are exposed >16





Division of Neonatology

Faculty

Ira H. Gewolb, M.D.
Associate Professor, Director, Division
of Neonatology and NICU

Ihor Bilyk, M.D.
Assistant Professor

Lillian Blackmon, M.D.
Associate Professor

James F. Bosma, M.D.
Research Professor

Susan J. Dulkerian, M.D.
Assistant Professor

Renee E. Fox, M.D.
Assistant Professor

Ronald L. Gutberlet, M.D.
Associate Professor, Chief of Pediatrics,
Mercy Hospital
Co-Director, Maryland Neonatal
Transport Program

Timothy Palmer, M.D.
Assistant Professor

John S. Torday, Ph.D.
Professor

Rose M. Viscardi, M.D.
Associate Professor, Director
Follow-up Program

Linda L. Wright, M.D.
Assistant Professor

The division of neonatology is one of 20 divisions of the department of pediatrics, which is part of the University of Maryland Medical Center's Maryland's Hospital for Children. The department of pediatrics, dedicated to providing exemplary primary, specialty and critical care for children, is chaired by Michael A. Berman, M.D.

For more information:
(410) 328-6003

The Breath of Life, continued from page 15

to this hormone in utero, males receive an added source because of the testes. Androgens inhibit lung maturation through a series of interactions with a specific growth factor that prevents the growth of cells that manufacture surfactant.

Pending projects will look at the effects of antiandrogens in animal models to determine whether lung maturation can be accelerated without harmful side effects.

Delayed fetal lung development is a feature of diabetic gestation. In diabetic rat gestation, this can be reversed with maternal dexamethasone or triiodothyronine, according to research by Dr. Ira Gewolb, associate professor and head of the division of neonatology.

Dr. Gewolb has also shown that high levels of glucose may adversely affect fetal lung maturation in vitro. Dr. Torday has confirmed that these high glucose levels may block neutral lipid trafficking between fibroblasts and T2 cells. This results in decreased amounts of lipid substrate needed to synthesize surfactant.

In other studies, Dr. Gewolb has found that opiates appear to accelerate fetal lung development. Infants born to heroin-addicted mothers have been reported to have a lower incidence of respiratory distress syndrome compared to non-addicted infants, he says. In studies using fetal rat lung, Dr. Gewolb measured the effect of varying concentrations of heroin, morphine, methadone and the non-opiate cocaine. "Much to our surprise, the data indicated the opiates (but not cocaine) have a direct effect on fetal lung maturation in vitro," he explains. "We've only studied drugs of abuse, but similar but less harmful compounds like endorphins could also play a role in lung maturation," he adds.

Other researchers in the division are studying the pathogenesis of neonatal necrotizing enterocolitis, and the ontogeny of the suckle/swallow reflex. The division is also involved in a multi-center trial of a drug to prevent bronchopulmonary dysplasia. **B**

Sylvan Frieman, M.D., clinical assistant professor in the department of obstetrics/gynecology, is an ex-officio member of the School of Medicine's Board of Visitors. A Baltimore native, Dr. Frieman received his undergraduate degree from the University of Maryland at College Park before earning his medical degree here in 1953. Dr. Frieman spent two years in the U.S. Air Force, before completing his internship at D.C. General Hospital in Washington, D.C. and his residency at the Lutheran Hospital of Maryland.

During his career he has been an attending physician at Sinai, Church, Franklin Square, and Harbor Hospitals, and served as medical director of the Central Maryland Surgery Center. He also has a faculty appointment at Johns Hopkins.

Dr. Frieman is the recipient of several physician recognition awards from the American Medical Association, and sits on numerous committees at Church Hospital. He will serve as Association president until Spring 1995.

President's Message

As president of the Medical Alumni Association, I accept the challenge to continue and forward the principles of our organization. We are well into a new fiscal year, having closed the books on a banner year in '94. I have every expectation we will continue on the same path, and we have set our sights on new records for the number of alumni attending class reunions and for funds raised for the School of Medicine. We will maintain and improve our traditional services to alumni, friends, housestaff, students and faculty, and we will initiate new programs to better serve all of our constituencies.

I welcome the new members of the board of directors for 1994-95: Mark M. Applefeld, '69; Jacqueline Kelly, '76; and Philip A. Mackowiak, '70. Alan Steinberg, '70, has also answered the call to fill a one-year vacancy on the board. These outstanding individuals bring new insights and fresh ideas to augment the experiences of the current members. This can only make us stronger and better able to grow as an organization.

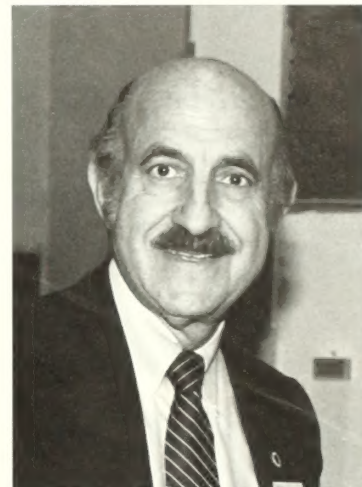
We also welcome our new executive director, Larry Pitrof, who joins us from The American University Law School in Washington, D.C. Larry replaces Carole Cassidy Miller, who served us well for three years. Carole is now director of development at the Parkinson's Institute in Sunnyvale, California. Our best wishes to Carole.

During my year as president, I invite you to contact me or Larry with your suggestions and comments. We are committed to the concept of a volunteer-driven organization, so your ideas are very important to us.

Let me take a moment to acknowledge a group of volunteers who are absolutely vital to the Medical Alumni Association—our class captains. I am inspired by the loyalty and dedication of this cluster of individuals. Many were class officers in medical school and have continued to represent their classmates ever since, some for 50 years or more. Others have stepped in later when needed, but very few have refused "the call." To those who make the phonothons and reunions work, my deepest gratitude and respect.

Finally, my thanks to the officers and past presidents who have done so much over the years to build and maintain the strong and vital association I have proudly inherited.

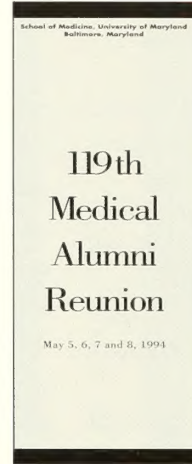
Sylvan Frieman, '53



President Sylvan Frieman '53

REUNION 1994

a scrapbook of Reunion memories



John Beale Davidge Alliance Luncheon

Members of the John Beale Davidge Alliance and The 1807 Circle, donors of \$10,000 or \$50,000 or more to the School of Medicine or University Hospital, attended the annual recognition luncheon at the beautiful Center Club located at the top of the USF&G Building in downtown Baltimore. The members and guests had the privilege of meeting and welcoming Dr. David Ramsay, the new President of UMAB. Dean Donald E. Wilson and MAA President Harry C. Knipp '76 presented the traditional Waterford decanter to Melvin J. Duckett '83, the newest member. Also recognized was Geoffrey B. Liss '76 who could not be present.



Father and Son: Dr. William Rogers, '43D, enjoys the company of his son, Dr. Paul Rogers, '71.



Dr. James Nataro, '87, enjoys the company of his grandfather, Dr. Joseph Nataro, '25.



Dr. Melvin Duckett, '83, receives his decanter from President Harry Knipp, '76, and Dean Donald E. Wilson, becoming the newest member of the John Beale Davidge Alliance.



MAA Presidents: President-Elect Sylvan Frieman, '53, third from left, poses with past presidents James Frenkil, '37, and Theodore Patterson, '62, President Harry Knipp, '76, and past presidents Herbert Levickas, '46, Ronald Taylor, '73, and Thomas Hunt, '54.



Dr. H. Leonard Warres, '38, and wife, Margie, converse with the new UMAB president, Dr. David Ramsay.

Crab Feast

Almost 500 alumni and friends attended this year's Crab Feast at the HarborView Marina, including the newest members of our alumni family: the Class of 1994. Despite brisk winds and chilly temperatures, the festive group celebrated and reminisced underneath the big white tent while indulging in unlimited crabs and a wide assortment of delicious foods.



Robert Lackey, '95, left, enjoys this photo opportunity with friends.



Dr. Demitrous Frazier, '94, center, with friends and classmates.



On the left: Drs. Ricardo Cook, '93, and Lisa Nguyen, '94, enjoy the company of Edward McDaniel, '95, and a table of friends and classmates.

REUNION SCHEDULE

Thursday, May 5

- ◆ Educational Opportunities
- ◆ Continental Breakfast & Registration, Davidge Hall
- ◆ Campus Walking Tour.
- ◆ John Beale Davidge Alliance, Luncheon, The Center Club
USF&G Building
- ◆ Special Tours
University of MD Cancer Center, MD's Hospital for Children
Biomedical Research Facility, Gamma Knife Facility
School of Medicine Complex
- ◆ Baltimore City Tour
- ◆ Crab Feast, HarborView Marina

Friday, May 6

- ◆ All Day Educational Opportunities
- ◆ Continental Breakfast & Registration, Davidge Hall
- ◆ R Adams Cowley Shock Trauma Center Tours
- ◆ Veterans Affairs Medical Center Tour
- ◆ Pimlico Race Track
- ◆ Complimentary Lunch, Davidge Hall
- ◆ Finkelstein Lecture, Westminster Hall
- ◆ CME Scientific Update, Class of 1969, Davidge Hall
- ◆ 25-Year Certificate Presentation, Davidge Hall Champagne Reception
- ◆ Class Parties

Scientific Session

University of Maryland, School of Medicine
Presentations by the Class of 1969

Friday, May 6, 1994 • 12:00 p.m. - 3:00 p.m.
Chemical Hall, Davidge Hall
Baltimore, Maryland

The Class of 1969, celebrating its Silver Anniversary, invited five of its classmates to make brief presentations on their research and clinical experiences. The quality of the material presented was first class. The 25-year certificate ceremony and a champagne reception followed.



Dean Donald E. Wilson presents the School of Medicine Update to alumni on Friday.

'Introduction

Mark M. Applefeld, M.D.
Reunion Captain, Class of 1969
Director, Division of Cardiology,
Mercy Medical Center, Baltimore,
Maryland
Associate Professor of Medicine,
University of Maryland School of
Medicine, Baltimore, Maryland

The Natural History and Immunology of Otitis Media in Children

Howard S. Faden, M.D.
Professor of Pediatrics, State University
of New York, School of Medicine,
Buffalo, New York
Co-Director of the Division of
Infectious Diseases, Children's
Hospital of Buffalo



Alumni gather for breakfast and Friday registration.

The Fun and Frustrations of Delivering Medical Care in the Third World

Kristin Stueber, M.D.
Director of Plastic Surgery, Baystate
Medical Center, Springfield,
Massachusetts
Associate Professor, Tufts University,
Boston, Massachusetts

Orthopedic Surgery in the 1990s - An Update

William I. Smulyan, M.D.
Instructor Orthopedic Surgery, Johns
Hopkins University, Baltimore,
Maryland
Clinical Instructor, University of
Maryland School of Medicine,
Baltimore, Maryland



Scientific Session presenters from the Class of 1969: Drs. Mark Applefeld, Howard S. Faden, Leon Reinstein, Kristin Steuber, Paul J. Connors. Missing from photo: William I. Smulyan.

National Health Insurance in the United States

Leon Reinstein, M.D.
Associate Medical Director, Sinai
Rehabilitation Center, Baltimore,
Maryland
Clinical Professor of Epidemiology and
Preventive Medicine, University of
Maryland, School of Medicine,
Baltimore, Maryland
Past-President, American Academy of
Physical Medicine and Rehabilitation

The History of Medical Malpractice Through the Ages - Past, Present and the Future Prospective

Paul J. Connors, M.D., J.D.
Senior Staff Consultant, Department
of Legal Medicine, Armed Forces
Institute of Pathology, Washington,
District of Columbia
Adjunct Professor, Georgetown
University Law Center, Washington,
District of Columbia
Visiting Consultant Staff, Department
of Ophthalmology, United States
Naval Hospital, Bethesda, Maryland

Class Parties Still the "Best Event in Town!"



Class of 1934, Window's Restaurant, Stouffer Harborplace Hotel



Class of 1939, The Brass Elephant



Class of 1944, Baltimore Country Club



Class of 1949, The Maryland Club



Class of 1954, The home of Dr. Robert Goldstein



Class of 1954, The home of Dr. Robert Goldstein

REUNION 1994

Note: The Class of 1974 met at the Diamond Club at Oriole Park at Camden Yards. No photos are available.



Class of 1959, Sheraton Inner Harbor Hotel



Class of 1964, The Center Club



Class of 1969, HarborView Marina



Class of 1979, Harrison's Pier Five Restaurant



Class of 1984, Children's Cloister Museum



Class of 1989, The home of Dr. Lise Satterfield

Call for 1995 Awards Nominations

Alumni, faculty and friends are invited to send in nominations for 1995 awards by February 1, 1995. The Honor Award and Gold Key is awarded to a living alumnus based on "outstanding contributions to medicine and distinguished service to mankind." Factors considered in the selection process include: impact of accomplishments; local, national and international recognition; supporting letters; and publications.

The Medical Alumni Association Service Award is given to an individual who has provided "outstanding service to the Association.

Letters of nomination for both awards must include a curriculum vita and should be addressed to:

Bernice Sigman, M.D.

Chair

Awards Committee

Medical Alumni Association

522 West Lombard Street

Baltimore, Md. 21201-1627

Reunion Class Gift Program

With the idea of increasing fundraising figures and class participation numbers, the Medical Alumni Association initiated its new "Reunion Class Gift Program." With dedicated reunion class leaders and committees, the pilot program proved to be a tremendous success, with generous gifts from the Classes of 1944 (\$15,000), 1954 (\$15,000) and 1969 (\$50,000).

The Medical Alumni Association greatly appreciates and thanks these special reunion classes for their abiding commitment, relentless dedication and promise of pledge fulfillment while affirming their loyalty and allegiance to the University of Maryland School of Medicine.

Not pictured: The Class of 1954's fundraising efforts raised \$15,000 in commemoration of its 40-year reunion celebration.



President Harry Knipp, '76 and Dr. Carl Ebeling, '44, right, present Dean Donald E. Wilson with the Class of 1944 gift, which provides funding for the R A Cowley Fellowship Fund and the Mosberg Scholarship, in memory of classmates R A Cowley and William H. Mosberg.



Dean Donald E. Wilson receives a 25-year reunion class gift from Class President John R. McCormick.



The 50-year reunion gathering included Dr. Robert Rosen, '44, and wife, Beatrice.

REUNION SCHEDULE

Saturday, May 7

- ◆ Continental Breakfast & Registration, Davidge Hall
- ◆ Annapolis Trip
- ◆ Annual Business Meeting, Davidge Hall
- ◆ Veterans Affairs Medical Center Tour
- ◆ Dean's Reception for 50-Year Class
Stouffer Harborplace Hotel
- ◆ 119th Annual Alumni Gala Dinner Dance
Stouffer Harborplace Hotel

Sunday, May 8

- ◆ Pre-Game Brunch, Omni Inner Harbor Hotel
- ◆ Baltimore Orioles Baseball Game

Annual Alumni Gala Dinner Dance

The elegant Alumni Gala held at Stouffers Harborplace Hotel in the Maryland Ballroom featured an extensive dinner followed by the presentation of the Honor Award and Gold Key to Michael A. Kaliner '67 and the Medical Alumni Association Service Award to James Frenkil '37. "The Wright Touch," a highly acclaimed D.C.-based musical ensemble comprised of musicians from the White House Band and premier military bands, entertained the party with a wide selection of musical favorites for their dancing pleasure.



Dr. Murray Kalish, '73, and wife, Michele, enjoy the company of Dr. Andrew Malinow, '81, and wife, Denise.



Dean Donald E. Wilson and wife, Patricia, visit with Vice Dean Frank Calia, and wife, Elizabeth Anderson Calia.



Dr. James Frenkil '37, receives the 1994 MAA Service Award from President Harry Knipp, '76.

Leading the Class of 1944 procession are Dr. William Carl Ebeling and wife, Celeste.



Dr. Michael A. Kaliner, '67, receives the 1994 MAA Honor Award and Gold Key from President Harry Knipp, '76.



Reunion Chairman David Litrenta, '61



Dr. Celeste L. Woodward, '72, and husband, Dr. Mark Applefeld, '69, visit with Dr. Emile Bendit '69, right, and wife, Gail.



Dr. Louis Pratt, '44, and wife, Miriam, dine with Mrs. Margaret Bacon.



Slowing down just long enough for a photo are Dr. Thomas Connor, '46, and wife, Eleanor.



Former School of Medicine dean John Dennis, '45, chats with Reunion Chair David Litrenta, '61.



Dr. Robert Goldstein, '54, and wife, Dorothy, enjoy the 40-year celebrations.

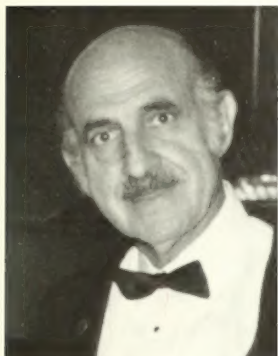


Head table toasts the 50-year Class: Reunion Chairman David Litrenta, '61, President Harry Knipp, '76, Mrs. Patricia Wilson, President-Elect Sylvan Frieman, '53, and wife, May, present a toast to the Class of 1944.



Dancing to the music of The Wright Touch are Dr. Theodore Patterson, '62, and wife, Sylvia.

1994-95 Medical Alumni Association Board



President
Sylvan Frieman '53



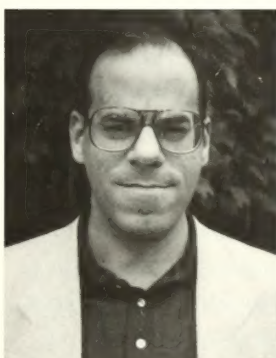
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Louis A. Shpritz '70



First Vice President
David E. Litrenta '61



Secretary
Murray Kalish '73



Treasurer
Richard L. Taylor '75

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Willarda Edwards '77
Barry H. Friedman '69
Kenneth M. Hoffman '70
Morton D. Kramer '55
Andrew M. Malinow '81
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Regional Vice Presidents

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George Peck '53 (New Jersey)
Robert Rosen '49 (Florida)
Barry Schlossberg '68 (Kentucky)

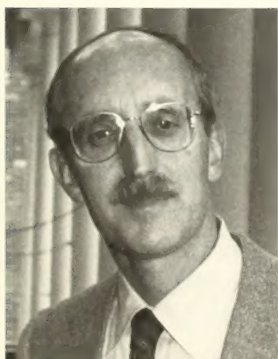
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Making a difference, one person at a time . . .

UMMC's reconstructive surgery expert volunteers to help Bosnians

By Vicki Strittmater

Those who remember the 60s or those who know their history would be hard-pressed to forget Ted Kennedy's words spoken at his slain brother Bobby's funeral: "Some men see things as they are and say why; Bobby dreamt things that never were and said why not."

John Herzenberg, M.D., clearly falls into the latter category. Like many people, he was horrified by the continuing carnage he saw on the news about the war in the former Yugoslavia. But unlike some, the co-director of the School of Medicine's Maryland Center for Limb Lengthening and Reconstruction made his dream a reality.

"I always wanted to do medical missionary work," Dr. Herzenberg explains.

"But I've had to put off my dream until my children are grown. Then I hope to take the time to travel where my services would be needed."

In the meantime, the International Organization for Migration (IOM) offered the best of both worlds. They sponsor a program that evacuates severely injured patients from countries such as Bosnia so that they may benefit from advanced reconstructive surgery available in the United States. Volunteering his services to IOM gave Dr. Herzenberg the opportunity to do his missionary work right at home.

Besides physicians donating their services, hospitals must agree to forego payment as well. Fortunately, obtaining the go-ahead from the hospitals was the easy part for four year-old Admir Hadzic, operated on by Dr.

Herzenberg at the University of Maryland Medical Center, as well as for 25 year-old Miodrag Todorovic, operated on by Andrew Burgess, M.D. at Shock Trauma; and 21 year-old Tomislav Tomic, treated at Kernan Hospital by Dr. Herzenberg. Michael Berman, M.D., chairman of the department of pediatrics and Robert Chrencik, senior vice president of finance; and Kernan CEO Mary Anne Willson agreed to let the respective institutions go uncompensated for the care provided.

Admir, now known here as Eddie, perhaps most poignantly illustrates the desperate situation Serbs, Croats and Muslims alike face: unlike Miodrag and Tomislav, whose wounds were the results of grenade injuries, his was a congenital

problem. Complicating matters was the stark reality that, as refugees living in Croatia, Admir and his mother, Fatima, were not entitled to medical care.

Even if the little boy had been eligible, chances are that the kind of care he needed would not have been available. The breakdown of services, even of society, is so dramatic that the most common cause of children's death in Sarajevo right now is asthma. "All they have to treat these asthmatic children with is throat lozenges," says Dr. Herzenberg.

Throat lozenges would not have begun to help

"All they have to treat these asthmatic children with is throat lozenges."

Admir. When he arrived, he had a chronic ear infection and all of his baby teeth were rotted so badly that they had to be removed. He had neurofibromatosis, and a related congenital defect in his tibia that left him with a fractured shinbone that would not heal.

Dr. Herzenberg removed the damaged portion of bone and placed an Ilizarov device on Admir's leg. Over time, the device increases the space between the ends of the bone and, as treatment progresses, bone, muscle and tissue regenerate.

While the patients are here, they receive the best of care and a safe home, either with a host family or at the nearby Ronald McDonald House. What happens when it's time to go back? The rules of the Geneva Convention state that none of these patients may be sent back during an active war if they do not want to go. All three patients want to return home to their families; understandably, neither of the two wounded soldiers wishes to return to military service.

When they do go home, they will take with them a new command of the English language, and maybe even a very different personality. When Tomislav (Tomi) Tomic arrived, he spoke no English. Now, according to Dr. Herzenberg, not only does he speak English, "he has really blossomed as a person. This program is rewarding for everyone."

Tomi is now walking with full weight bearing, and is looking forward to playing



Bill McAllen

Four-year old Admir Hadzic, a young victim of war-torn Bosnia, is recovering from a fractured shinbone with help from limb reconstruction expert Dr. John Herzenberg. Admir is pictured here with Rosa Holt, his local sponsor.

sports again someday. He misses his family, but has become a great fan of his adopted country, America. Eddie and his mother are planning their imminent reunion with Eddie's father.

Though at this writing, a cease-fire has been in effect for several months, the need continues. Other patients with problems not related to the war — cancer and heart disease, for example — are also awaiting placement. To date, the IOM has placed more than 300 patients in United States hospitals.

Many of these placements are thanks to Dr. Herzenberg, who the IOM calls its "best spokesman." Dr. Herzenberg has written to other academic medical centers to enlist physicians who will take one or two patients; nearly 200 have responded. He has also begun seeing 25 year-old Edin Imamovic, brought to the United States by a physician at St. Agnes Hospital.

Dr. John Herzenberg's dream is just beginning. **B**



Robert Berkow, center, and colleagues work on the next edition of the Merck Manual

The Master of Merck

Robert Berkow '53 marks 20 years as editor of the world's most popular medical reference

By Ginny Cook

This book may never make *The New York Times* best seller list. Yet the most recent edition can boast over one million sold—800,000 of them in English alone. Packed within its 2,700 pages is a compendium of just about every medical disorder that afflicts men, women and children, complete with causes, symptoms and signs, treatments and possible outcomes. Medical professionals around the globe know it as the *Merck Manual*.

With translations in Spanish, German, Italian, French, Portuguese and Chinese, the *Merck Manual* is the most popular medical reference in the world, according to its editor, Robert Berkow M.D., a 1953 graduate of the University of Maryland

School of Medicine. And its international acclaim is sure to increase when editions in Russian, Japanese, Hungarian and Polish appear for the first time later this year.

Back in 1899 when the first *Merck Manual* was published, the editors hoped "the more it is put to the test of actual use, the more it will grow in the esteem of its possessor." Judging by sales and satisfied readers, their wish has been fulfilled, says Dr. Berkow. Countless letters from physicians and other medical professionals attest to its usefulness, and medical students find it a handy study tool. Dr. Berkow, himself, used the manual "as a basic text in preparing for my internal medicine boards in the 1950s."

A specialist in internal and psychosomatic medicine, Dr. Berkow has served as edi-

tor since 1973. It is not a job the physician ever envisioned for himself. Following graduation from medical school and a tour of duty in the military, Dr. Berkow became a fellow at the University of Rochester studying the impact of psychological issues on health. He soon made Rochester his home and went into a successful private practice. "Life was wonderful," he says.

Yet for reasons he still can't fathom, he answered an ad for editor of the manual. He had some experience on the editorial board of *Patient Care* magazine but "at the time, I kept saying, 'Why am I doing this?'" An interview, job offer and his acceptance soon followed and he found himself commuting weekly from Rochester to company headquarters in Pennsylvania.

I had some concerns about fitting into the corporate environment," Dr. Berkow says, noting his reluctance to immediately move his family and sever all his old ties. But he soon learned "he had absolute autonomy" in editorial decisions and content with no interference from Merck, Sharp and Dohme, the pharmaceutical company that publishes the book. "The ethics are superior," he adds. But Dr. Berkow was soon humbled by the task that confronted him. The manual needed an overhaul in 1973—old prescription recipes needed replacing with modern clinical pharmacology and new sections in immunology, cardiology and neonatology were essential, he says. New authors and new manuscripts along with an erroneous figure for converting manuscript pages to text pages swelled the book from 1,900 pages to more than 2,900.

"Ultimately the book was reduced to a little over 2,100 pages with three maneuvers—cutting the leading between headings and lines, furiously re-editing and slightly enlarging page size," he says. "We've been struggling ever since to keep it from growing."

The fast pace of medical discoveries challenges Dr. Berkow and his staff to keep the book up-to-date without making the information unmanageable. Previously unidentified diseases such as Legionnaires disease, toxic shock syndrome, Lyme disease and AIDS, as well as new therapies and diagnostic and clinical procedures are just a sampling of what Dr. Berkow has added to the text in the past 20 years. In 1982, for example, "we just managed to stick in a discussion of the HIV virus on a blank half page after Karposi's Sarcoma in the second printing," Dr. Berkow remembers. Now, of course, the human immunodeficiency virus and AIDS are topics of major discussion.

Despite the procession of medical progress within its covers, Dr. Berkow says, "Medical reference texts are dinosaurs." In the late 1970s, he and his staff began working on a computerized version of the *Merck Manual* with NASA. Now the book is available through databases, on floppy and hard disks and CD-ROM, he says. Dr. Berkow even anticipates an edition available on a pocket computer.

A Chronicle of Medical Milestones

Old editions of the *Merck Manual* offer a history of clinical medicine in the 20th century, says editor Robert Berkow, M.D.'53. Since its turn-of-the-century inauguration, the book has chronicled everything from bloodletting, to aspirin, to antibiotics, to AIDS.

In the first edition, everything from insomnia to pleurisy to sunstroke could be cured by bloodletting. Poisons such as arsenic and strychnine were recommended remedies for scores of ailments. There was even a mention of a mysterious cordial made from "true unicorn." According to Dr. Harold Morowitz, who compared old and new *Merck Manuals*, there were 75 treatments for diphtheria, 96 for gonorrhea and 68 for diabetes. "The less a disease was understood, the larger the number of treatments available," he noted.

By 1901, in the second edition, aspirin appeared for the first time, only two years after its introduction by Bayer. By 1934, phenomenal advances in the biological sciences and organic chemistry expanded the diseases, diagnoses and therapies into a copious list, still arranged alphabetically. It also endorsed roentgen therapy for many skin conditions.

World War II delayed publication for 10 years until 1950 when Dr. Charles E. Lyght took over as editor. Dr. Berkow calls him "the father of the modern *Merck Manual*." Lyght replaced the alphabetical listing with logically related groups within 20 distinctive fields of medicine—"suggesting how specialized American medicine had become," Dr. Berkow says. This book also introduced modern antibiotics and routine pediatric vaccines, he says.

Yet he muses, "Modern medicine with its marvelous technologies—CT scans and MRIs—still uses computers as an administrative tool rather than a medical one." He awaits the day when the manual and other medical references are available in hospitals on computer terminals on each floor or in each room.

For now Dr. Berkow relishes the offshoots from the

original book. The *Merck Manual for Geriatrics* recorded sales in excess of 100,000 copies and will be translated into Spanish and Italian. And work continues on a *Merck Manual* aimed at the general public scheduled for release next year. Who knows? That one could earn a place on the best seller list after all. **B**

Class Notes

1940

Ross Z. Pierpont of Baltimore was a republican candidate for the U.S. Senate. The race will be decided in November.

1943M

Robert Minervini of Hagerstown, Md., attended a mini-reunion with classmates Ramon Almodovar, Miguel Dalmau, Nestor Mendez, Enrique Perez-Santiago, and Jose Torres-Gomez at the Caparra Country Club in Puerto Rico. All are in good health and looking forward to their 55th in 1998.

1945

Frank J. Ayd, Jr., of Baltimore has been recognized by the American College of Neuropsychopharmacology for his scholarship, guidance, and inspiration by conferring upon him its Distinguished Service

Award. Henry F. Maguire of El Cajon, Calif., retired in July 1993.

1946

Guy K. Driggs of Dallas and wife, Maxine, celebrated their 50th wedding anniversary earlier this year at a party given by their sons at the Top O' Cliff Club. Frank A.

Shallenberger Jr. of Tucson, Ariz., practices locum tenens when he and his wife aren't touring the country. They have driven through every state and most of the Canadian Provinces. J. Poulson Hunter of Salt Lake City is active in a solo private practice. He and wife, Marge, have nine children and 34 grandchildren.

1947

Eugene P. Salvati of Bound Brook, N.J., practices in Plainfield. Pascal D. Spino

continues to practice in Greensburg, Pa. George Winokur of Iowa City, Iowa, an honorary fellow of Great Britain's Royal College of Psychiatrists, is recipient of the International Society of Psychiatric Genetics' Lifetime Achievement Award and the American Psychopathology Association's Joseph Zubin Award.

1948

Carl H. Kennedy of Fort Washington, Pa., is retired. G. Donald Niswander, who retired in October 1993, is doing consultation work for the state of New Hampshire and lives in Concord. John R. Shell is medical director of the Northern Free Health Clinic in Kilmarnock, Va.

1949

Albert B. Sarewitz of South Orange, N.J., is retired and performing hospital administration consultation. Edward W. Stevenson of Birmingham, Ala., is retired. He is 1993-94 vice president of the Triological Society and serves as chair of its southern section.

1950

Miriam S. Daly of Albion, Mich., retired in July 1993 and is president of the Irish Hills Girl Scout Council and chair of the Albion Red Cross

Blood Drive. She and husband, Harold Daly, have seven grandchildren. George H. Greenstein of Baltimore is a colonel in the Maryland Defense Force. In addition to medical duties, he recruits volunteers to serve as medical and noncommissioned officers in the Pikesville headquarters. Thomas F. Lewis of Cumberland, Md., is semi-retired. Kornelius Van-Goor of Kentwood, Mich., is retired but practices one-half day each week at a VA outpatient clinic.

1951

Benjamin D. Gordon of Westport, Conn., is retired but remains on the Yale University faculty in the department of occupational medicine. He holds part-time positions as a consultant to the cosmetics industry and as a project investigator at Consumer Product Testing Laboratories. Eugene B. Rex of Austin, Tex., is busier in retirement than he would like to be and his handicap is still too high. L. Dale Simmons of Clarksburg, W.Va., is partially retired and practices occupational/industrial medicine besides being a vocational medicine consultant.

1953

Rafael Longo-Cordero of Santurce, P.R., is retired but

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Class Notes

serves as president on the board of directors of Ashford Presbyterian Community Hospital.

1954

Malcolm F. Freed of Baltimore is retired. **Louis M. Glick** of Carrollton, Tex., retired in April. **Thomas E. Kiester** of Anchorage, Alaska, sailed up the coast of Brazil to Trinidad where he spent eight months before continuing on to the Caribbean and Puerto Rico. **J. Walter Smyth** of Baltimore is retired.

1955

Joseph W. Cavallaro of Frankford, W.Va., enjoys big game hunting, photography and reading. **William Hollister Jr.**, of Fredericksburg, Va., traveled across China in October 1993 as a delegate to People to People, explaining the concept of same-day surgery in the United States. **John P. McGowan** and wife, Anne, grew tired of cutting grass, raking leaves and shoveling snow, so they moved to Las Vegas, Nev., in 1993 and have no regrets. **George N. Polis** of Washington, D.C., and son, **Nicholas**, '90, are partners in an internal medicine practice.

1956

Richard G. Farmer of Bethesda, Md., consults with governments and hospitals on health care programs in Eastern Europe for the U.S. Agency for International Development. **J. Edward Kelly Jr.**, of Syracuse, N.Y., has a daughter, Margaret, who is a MSII at the medical school and loves it just as he did.

1957

Emil E. Aftandilian of Senatobia, Miss., retired in April. **Charles J. Allen** of Dover, Del., directs the occupational medical division of Kent General Hospital, serving 170 local employers of Kent County. **James K. Bouzoukis's** youngest child is a medical student at Tulane and is a member of AOA. James lives in Wilmington, Del.

1958

Gaylord L. Clark of Lutherville, Md., reads this publication regularly because he is interested in the goings on of classmates and other alumni. **Meredith S. Hale** of Woodland Hills, Calif., stepped down as senior vice-president of medical affairs at the Northridge Medical Center when he retired last January. **Arthur Litofsky** of Greenbelt, Md., and wife, Serena, have two grandchil-

dren. **Lewis H. Richmond** of San Antonio is a senior Olympic basketball silver medalist. He and wife, Barbara, have two grandchildren. **Granger G. Sutton** of Lutherville, Md., is retired. **Jerome Tilles** of San Antonio was elected to a fellowship in the American Psychiatric Association in 1993.

1960

Elijah Saunders of Owings Mills, Md., heads the department of medicine's division of hypertension at the University of Maryland Medical Center.

He founded and chairs the boards of the International Society on Hypertension in Blacks and the Association of Black Cardiologists; he is a past-president of the latter. Saunders edited *CV Diseases in Blacks*. **Jonas Shulman** of Atlanta is professor and associate dean for medical education and student affairs at Emory University. At commencement on May 9, Shulman received the Thomas Jefferson Award, Emory's highest service award to a faculty or administration member. **Morton E. Smith** of St. Louis is professor of oph-

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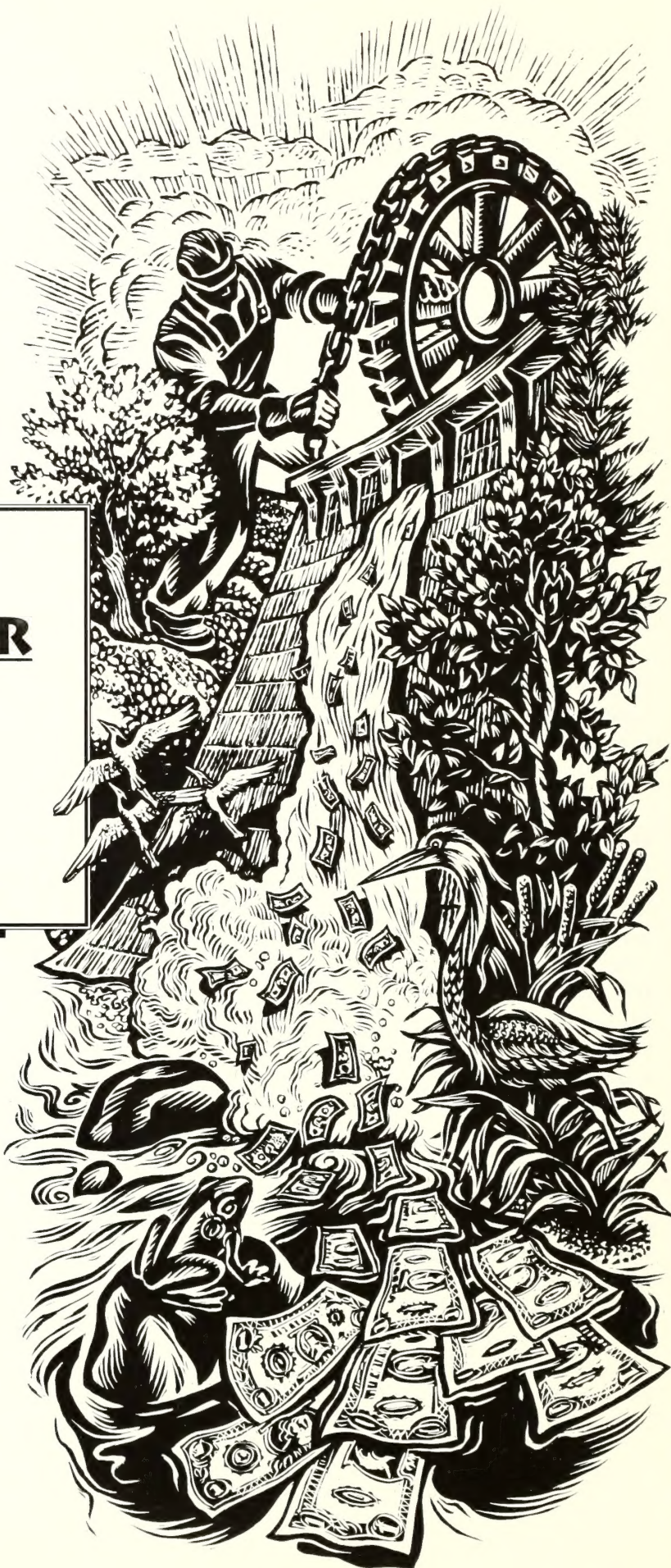
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Class Notes

thalmology and pathology, and associate dean at Washington University School of Medicine. Ophthalmology residents named him teacher of the year, and the sophomore class honored him with its distinguished teaching award. **James A. Yates** of Camp Hill, Pa., developed the first freestanding outpatient surgery center in Harrisburg, and has been elected councilman from the borough of Lemoyne. **Theodore Zanker** is president of the Connecticut State Medical Society. He lives in Bethany.

1961

Gerald A. Hofkin of Baltimore completed two years as president of Sinai Hospital's medical staff. The hospital's department of medicine named him distinguished physician in December 1992. **Gerald Kempthorne** of Spring Green, Wisc., suffered a tragic loss last December when his beloved wife, Miep, was killed in an automobile accident. He is retired but serves as corporate medical director of the Wisconsin Physicians Service Insurance Corporation in Madison. **Edward "Shaw" Wilgis** of Lutherville, Md., is director of Baltimore's Raymond M. Curtis Hand Center at Union Memorial Hospital. He participates in Project DAWN by sending surgeons to serve as mentors

to Hand Surgical Training Program fellows in Georgetown, Guyana. **Roger Lee Mehl** of the U.S. Army has lived in Germany for the last 12 years and expects to be there until 1997.

1962

Raymond D. Bahr of Ellicott City, Md., is medical director of the coronary care system at St. Agnes Hospital in Baltimore. **Melvin D. Kopilnick** of Baltimore is retired. **Alfred Ling** of Flemington, N.J., recently completed a two-year term as chair of the biomedical section of the advanced research program of Texas Higher Education Coordinating Board. **Howard A. Semer** of Westfield, N.J., is chief of cardiology at the Muhlenberg Regional Medical Center in Plainfield. In addition to his office in Westfield, he has opened another in Summit.

1964

Salvatore R. Donohue of Stuart, Fla., and wife, Edith, co-chair the United Way Campaign Board in Martin County. **Mark E. Krugman** of Santa Ana, Calif., is president of the Orange County Society of Plastic Surgeons. **Harold C. Standiford** of Baltimore is assistant chief of medical services and head of the AIDS program at the VA Medical

Center. He is also professor of medicine at the University of Maryland School of Medicine, and last April assumed the office of governor for the Maryland chapter of the American College of Physicians. **Richard G. Shugarman** of West Palm Beach, Fla., chairs a state of Florida committee that wrote the first practice guidelines for cataracts for the agency of health care. He is president of the South Florida Federation of Reform Synagogues.

1965

Arthur R. Dick of Shawnee Mission, Kans. is professor of neurology at the University of Kansas Medical Center. **Terren M. Himelfarb** of Baltimore and wife, Ellen, are watching their oldest child work toward an MBA degree at Central Florida University, while their youngest child is working toward a MSc degree at the London School of Economics.

1966

Stuart L. Fine's son, Andy, is an MSIII at the University of Pennsylvania School of Medicine. Fine lives in Philadelphia. **S. Bruce Gerber** of Winter Haven, Fla., and wife, Priscilla, have a son, Joel, who is an MSI at the University of Maryland. Another son, Mark, is a resident in neurosurgery at the

Medical University of South Carolina. **Ronald H. Koenig** of Atlanta is chief of staff at the Southern Regional Hospital in Georgia and serves on its board. His daughter, Allison, entered Johns Hopkins Medical School this fall. **Kenneth R. Koskinen** of Bel Air, Md., is chief of the medical staff and deputy commander of Malcolm Grow Medical Center at Andrew's Air Force Base. He is a diplomate of the American Board of Medical Management, the national certifying agency for physician executives. **James W. Spence** of Lakeland, Fla., is chair of surgery and a member of the executive committee at the Watson Clinic.

1967

Donald B. Vogel of Silver Spring, Md., has a daughter, Miriam, attending the University of Michigan and is in the honors program. **Allan M. Wexler** of Hagerstown, Md., chairs the department of radiology at Washington County Hospital.

1968

Gerald B. Feldman of Baltimore and wife, Sheila, have two grandchildren. **Charles J. Lancelotta** of Baltimore has been re-elected as chief of surgery of the Howard County General Hospital in Columbia.

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1969

Leon Reinstein of Baltimore is associate medical director of Sinai Rehabilitation Center and serves on the board of governors of the Council of Medical Specialty Societies.

Brian S. Saunders of San Diego traveled to Romania twice as a volunteer for Project Concern, an international program to teach neonatal intensive care to physicians and nurses. **Kenneth Ullman** and wife, Sandra, watched son, Ross, graduate cum laude from Franklin and Marshall College last May where he majored in economics and business administration.

1970

Kenneth M. Hoffman of Crownsville, Md., and wife, Deborah, have a son, Kevin, who received his BS in biology from the University of Maryland Baltimore County. Their daughter, Lara, is a sophomore at the University of Maryland at College Park. Hoffman serves on the Medical Alumni Association's board of directors. **Thomas F. Kline** of Canton, Mass., is director of Spaulding/Massachusetts General Hospital's In-house Program for Rehabilitation and Extended Medical Care at Home. **Stanley S. Tseng** of Huntington Beach, Calif., is clinical professor of ophthal-

mology at the University of California, Irvine. **Arthur Warwick** of Annapolis, Md., joined the faculty of the School of Medicine in July where he is an assistant professor of psychiatry.

1971

Jerry Herbst of Boca Raton, Fla., is founder and CEO of the Healthcare Institute for Men (HIM), Inc. The national institute offers evaluation and treatment of health issues indigenous to men, but can, if desired, include partners and family as well. **Elliot S.**

Krames of San Francisco published a 1993 editorial in the *Journal of Pain* and a paper in the *Journal of Pain and Symptom Management*; he has been invited to several countries to speak on the subject.

Robert B. Lehman of Pikesville, Md., has a daughter, Yael, who is a member of the Class of '96. **Jane Steinberg** of Tamarac, Fla., added laser surgery of port wine stains, pigment and tattoos to her practice earlier this year. **Ben Tsun-Lin Ho** of Moraga, Calif., is semi-retired after 24 years in the U.S. Navy and teaching part-time at the University of California.

1972

Bradley J. Bradford of Pittsburgh is a past Ray Kroc

Class Notes

visiting professor of pediatrics at Dartmouth Medical School. **Conrad E. Nagle** of Oxford, Mich., and wife, Kimberley, have a son, Christopher, who received a BS from the University of Michigan in June and is now studying in the Master of Public Health Program. **Brian J. Winter** of Ellicott City, Md., is the president of the Howard County Medical Society and is a delegate to the Maryland Med Chi Legislative Body.

1973

Edwin A. Deitch of Newark, N.J., is professor and chair of the department of surgery at the University of Medicine and Dentistry at the New Jersey Medical School. **Daniel C. Hardesty** of Baltimore is chair of the department of medicine at Franklin Square Hospital. **Charles B. Watson** of Easton, Conn., has a strong interest in hospital, critical care, OR and anesthesia information management systems and would be interested in hearing from others of the same mind.

1974

Arthur P. Liang of Atlanta is on the board of directors of the Association of Teachers of Preventive Medicine. After receiving an invitation from USAID, Liang spent two weeks in May on the West Bank in Gaza, where he con-

sulted with the Palestinian Council of Health. **Dawn V. Obrecht** of Golden, Colo., practices addiction medicine and says it is a terrific specialty. **David L. Zisow** of Pikesville, Md., and wife, Marcie, have two children in college while their two younger children are in high school.

1975

Laurence Desi is directing and managing the occupational medicine program at Chrysler Corporation's Newark, Del., assembly plant. **Karl W. Diehn** of Baltimore is chair of the advisory committee of otolaryngology head and neck surgery at the Greater Baltimore Medical Center. **Malcolm S. Henoch** of Euclid, Ohio, earned an MBA in May from Weatherhead School of Management at Case Western Reserve University. **Robert A. Vegors** of Jackson, Tenn., is a fellow of the American College of Physicians, chairs the department of medicine at Jackson-Madison General Hospital, and is president of the Consolidated Medical Assembly of West Tennessee. He enjoys camping, fishing and horseback riding.

1976

Mark E. Bohlman of Severna Park, Md., is acting chair of

the department of radiology at Johns Hopkins Bayview Medical Center in Baltimore.

1977

Joseph L. Braun of Alvin, Tex., received his MBA from the University of Phoenix. **Willarda V. Edwards** of Baltimore is becoming president of the Baltimore City Medical Society and the Monumental City Medical Society in 1995, the first individual to hold both titles at once. She also has the distinction of being the first female African-American to serve as president of the Baltimore City Medical Society. Edwards serves on the board of directors of the Medical Alumni Association. **R.C. Talucci** of Cherry Hill, N.J., joins the faculty of Hahnemann University Medical College in the department of surgery's division of general surgery at the associate level.

1978

Martin H. Kroll of North Potomac, Md., is associate director of clinical chemistry at Johns Hopkins Hospital and associate professor of pathology at its School of Medicine. These appointments follow an 11-year career at NIH. Kroll and wife, Ellen, have three children.

1979

Donna G. Hurlock of Alexandria, Va., and husband, Joseph Lamb, are the parents of a two-year-old daughter who they hope will be an organic farmer when she grows up. **Max D. Koenigsberg** of Chicago is assistant professor of emergency medicine at the University of Illinois. He is the principal investigator in the first phase of a drug study for hemorrhagic shock, funded by a \$500,000 grant from Baxter Health Care and coordinated by the university at two trauma centers. **P. Laverson-Wittgrove** of San Diego attended her 15-year School of Medicine reunion last May and although she enjoyed it, she wished more classmates had attended. **Owen Lee** of Newark, Ohio, is chair of the department of radiology at Licking Memorial Hospital and was elected to the city's council for a third term. **William O. Richards** of Nashville, Tenn., is associate professor of surgery at Vanderbilt University School of Medicine. Earlier this year, he received the Grant W. Liddle Research Appreciation Award for commitment and leadership in promoting an interest in research among young physicians. His father, Richard D. Richards, is professor emeritus and former chair of the department of ophthalmology, who served as acting

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6. To be assured that information about their donations is handled with respect and with confidentiality to the extent provided by law.

7. To expect that all relationships with individuals representing organizations of interest to the donor will be professional in nature.

8. To be informed whether those seeking donations are volunteers, employees of the organization or hired solicitors.

9. To have the opportunity for their names to be deleted from mailing lists that an organization may intend to share.

10. To feel free to ask questions when making a donation and to receive prompt, truthful and forthright answers.

DEVELOPED BY: American Association of Fund-Raising Counsel (AAFRC), Association for Healthcare Philanthropy (AHP), Council for Advancement and Support of Education (CASE), National Society of Fund Raising Executives (NSFRE). INITIAL ENDORSERS: Medical Alumni Association of the University of Maryland, Inc.

Class Notes

dean at the School of Medicine from 1990-91.

Nelson N. Stone of Suffern, N.Y., testified earlier this year before the New York City Speaker Council Committee on Health regarding prostate cancer awareness, and in May presented four papers on prostate cancer and renal trauma at the annual AUA meeting in San Francisco.

1980

Mark E. Bainum of Honolulu completed a second term as state representative and will run for Honolulu City Council. **Robert P. Cervenka** of Manchester, N.H., chairs the department of obstetrics and gynecology at the Elliott Hospital. **Anne D. Lane** of Baltimore practices part-time with classmate **David Otto** and continues to accumulate pediatric CME credits while raising four-year-old Justin and two-year-old Eileen. **James P. McKenna** of

Aliquippa, Pa., directs the family practice residency program at the Medical Center in Beaver. He and wife, Francie, are the adoptive parents of Katie, who will be turning two. In anticipation of adopting a second child, they request that you alert them to infants in need of adoptive parents. **Emily A. Ulmer** of Crofton, Md., and husband, **W. C. Michelsen**, moved into a new home earlier this year. Their son, Alex, is now in kindergarten. **Paul E. Whittaker** of Gig Harbor, Wash., will attend the Army War College, an institution that has the distinction of producing generals.

1982

Wayne L. Barber of Owings Mills, Md., practices ophthalmology with emphasis on cataract and refractive surgeries, in Westminster. **Brian K. Cooley** of Plano, Tex., is chair of the department of medicine

at Baylor/Richardson Medical Center. He and wife, Susan, announce the arrival of Rebecca Anne, their third daughter, born March 5.

Ronald D. Jacobs of Potomac, Md., and wife, Ann, announce the arrival of twin daughters, Allison and Erica, born in February; they join two-year-old Lauren. In May, **Richard A. Lane** of Lynchburg, Va., led a group of James Madison University health students to rural Honduras to establish temporary health clinics and educate locals in preventative health practices. **Garry L. Mueller** of Lancaster, Pa., enjoys his family medicine practice. He and wife, Laura, have three daughters.

1983

Harry A. Oken of Columbia, Md., chairs the department of medicine at Howard County General Hospital.

1984

Ellen S. Deutsch and **Vinay M. Nadkarni** of Moylan, Pa., along with daughters, Lauren, six, and Lindsay, three, are expecting a son and brother in November. Nadkarni is the 1994-95 co-chair of the national AHA emergency cardiac care subcommittee on pediatric resuscitation. **Carmela A. Sofia** of Fall River, Mass., is listed in the 1993 *Who's Who in Massachusetts*.

Mark R. Speake of Lewisburg, Pa., is director of the combined internal medicine/pediatrics residency at Geisinger Medical Center in Lewisburg. **Michael W. Wingo** of Champaign, Ill., is working toward a PhD in philosophy/literary theory at the University of Illinois. He and wife, Joan, are expecting their fourth child.

1985

Victoria Mossman-Van Eendenburg of Bloomington, Minn., and husband, John, are proud parents of Deborah Jane, five, and Hannah, two. **Sharon B. Samuels** of Delmar, N.Y., is assistant professor of surgery at Albany Medical Center. She and husband, Mark Sklar, are expecting their first child. **H. Von Marensdorff** of Houston and wife, **Judith Rowen '86**, are expecting a second child in September. Their son Peter, is now four.

1986

Gerard A. Burns of New Haven, Conn., is director of surgical nutrition in the department of surgery at the Yale University School of Medicine and is planning a return to school to get an MBA. **Stephen Wayne George** of Marriottsville, Md., is a provider of adult and pediatric rheumatology in Ellicott City and North Baltimore. He returned to Maryland in 1992

How Your Alumni Association Runs

Have you ever wondered how the association is governed? There is a board of directors which is listed on the contents page of this magazine. Officers serve for one year and directors serve for three years. The board has several standing committees dealing with Reunion, Budget and Finance, Bylaws, Awards, Nominations, Davidge Hall, Executive and *The Bulletin*. Many proposals and policies are studied on the committee level, then presented to the full board for discussion and final approval.

There are four board meetings during the year, plus an annual meeting on Reunion weekend. Members are invited to attend any of these meetings and are especially encouraged to make members of the board or the alumni staff aware of their willingness to serve the association. If you are interested in learning more, contact the executive director at 410-706-7454, or call any member of the board.

Class Notes

with wife, Nancy, and their four children. **Thomas E. Kelly** of Cockeysville, Md., and wife, Susan, announce the birth of Laura Christine, born in February.

1987

Adam Fischler of Virginia Beach, Va., and wife, Barbara, celebrated their second wedding anniversary on May 31. **Leslie Joan Gray** of La Mesa, Calif., husband, **Edward Juskelis**, '86, and two-year-old Lauren, announce the birth of Matthew on April 21.

Thomas B. Mulford of Fort Lauderdale, Fla., and wife, Rosemary, became the parents of a second son in July. **Jennifer L. Murphy** of Hagerstown, Md., and husband, **Samuel Woo** '94, are expecting their first child in October.

1988

Jason Eiband of San Francisco is chief of occupational medicine at Kaiser Permanente in Oakland, and opened a new clinic in May. **Gregg L. Heacock** and Paula

DeCandido announce the birth of daughter, Elisa Lauren Heacock, in March 1994. They practice in Annapolis, Md. **Robert M. McLean** of New Haven, Conn., will practice internal medicine and rheumatology and teach on the clinical faculty of Yale School of Medicine after completing a rheumatology fellowship at that school. **Gloria A. Reckrey** of Hagerstown, Md., is medical director of rehabilitation medicine at Washington County Hospital.

1989

Adam F. Dorin of Hagerstown, Md., is chief of anesthesia at Robinwood Surgery Center. He and wife, Sharon A. Dorin, '90, University of Maryland Dental School, have three children. **Michael O. Duhaney** of New York has started a two-year fellowship in neuroradiology at New York University. **David S. Geckle** of Cleveland Heights, Ohio, is chief resident in Case Western Reserve's neurosurgery program. **Jeffrey R. Kaiser** of Dallas is a fellow in neonatology at Parkland Hospital at the University of Texas Southwestern. He and wife, Sharon Kiel, have two children, Michael and Jordan. **J.A. Linder** of Pasadena, Md., has completed her residency, passed her board and anticipates working at Suburban Hospital in Bethesda.

1990

Clara A. Bozievich of Salisbury, Md., completed a psychiatric residency at Sheppard Pratt Hospital in Towson, where she was chief resident. She will be practicing on the Eastern Shore of Maryland in underserved areas. **Nicholas M. Cardiges** of Baltimore is a fellow in radiation oncology at University of Maryland Hospital. He and **Anastasia Roros** married in July and honeymooned in Hawaii. **William P. Cook IV**, of Lutherville, Md., is completing the final year of an orthopedic surgery residency. He and wife, Catherine, have three children. **John C. Davis Jr.**, is a fellow in rheumatology at the University of California, San Francisco where he completed a residency in internal medicine last year. He is pursuing an MPH at University of California, Berkeley. **Mark R. Edelstein** of Hockessin, Del., is a fellow in cardiology at Cooper Medical Center. He and wife, Linda, are expecting their first child in September. **Jay W. Floyd** is stationed at the United States Naval Hospital in Naples. In May, he and wife, Donna, became parents of their first son, Robert. **Brian H. Hall** of San Antonio, Tex., completed a pediatric residency at Wilfor Hall USAF Medical Center and started a two-year fellowship in neona-

University of Maryland School of Medicine

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Proceeds go to the American Medical Association - Medical Student Section for their continued representation of U. of MD School of Medicine at the national meetings.

Class Notes

tology. He and wife, Brigitte, are parents of Alyssa, 10, Jason, six, and Richard, two. **Mary K. Hoffman** of Stamford, Conn., completed her ophthalmology residency and has joined an ophthalmology practice in Fairfield. She was married to Tony Broomhead on July 2. **K. B. Krishnamurthy** of Worcester, Mass., completed a neurology residency in the Harvard-Longwood program in June and began an epilepsy fellowship in the Longwood Area Epilepsy Program. Krishnamurthy's husband, Ram Chavali, is a second-year radiology resident at the Baystate Medical Center. **Nicholas G. Polis** of Washington, D.C., and father George N., are partners in an internal medicine practice in the district. **Dwayne T. Shuhart** of Hagerstown, Md., and wife, Regina, announce the birth of Emilie on August 18, 1993. **Magesh Sundaram** of Newark, Del., is chief resident in general surgery at the Medical Center of Delaware.

Keep in Touch

We enjoy hearing from alumni and hope you enjoy reading about the avocations, professional accomplishments and personal milestones of your colleagues. Please help keep us informed. Write to Class Notes Editor, Medical Alumni Association, 522 West Lombard Street, Baltimore, Md. 21201-1627. Or, get in touch by phone, 410-706-7454, or FAX, 410-706-3658.

1991

Yared Aklilu of Hamden, Conn., is completing the third year of a combination medicine-pediatric residency at the Baystate Medical Center in Springfield, Mass. He was married in August 1993. **Elliot Cazes** of Baltimore and wife, Pamela, announce the birth of Monica in February. They have a son, Matthew, who turned two in July. **Marc Ronald Hamet** of Bethesda, Md., and wife **Vicki Hobbs-Hamet '92**, announced the birth of James Christopher, their first on May 20. **David Taragin** of Flushing, N.Y. is chief resident of neurology at Albert Einstein College of Medicine in Albany. He and wife, Hope, were married earlier this year.

1992

Subrato Deb of Virginia Beach, Va., was in Normandy, France, for the 50th anniversary of D-Day. He served as ship doctor aboard the USS Austin and will continue to do so as the ship moves on to the Black Sea and North West Africa. **Vicki Hobbs-Hamet** and husband, **Marc R. Hamet '91**, announced the birth of James Christopher, their first on May 20, 1994. **Francesca Litow** of Silver Spring, Md., is in the third year of a residency in OB/GYN at Bethesda Naval Hospital. **Lisa Kolste** and **Ronald Rakowski** of West

Chester, Ohio, will be married next May. Ronald is chief resident for WSU/WPAFB integrated residency in emergency medicine in Dayton. **Joseph Manley** of Baltimore is an anesthesiology resident at the University of Maryland.

Nancy Roman of Durham, N.C., is a psychiatry resident at the University of North Carolina and, as a candidate in the University of North Carolina/Duke University Psychoanalytic Education Program, will begin psychoanalytic training in September. **Elizabeth Scarito** of White Hall, Md., is in the third year of an internal medicine residency at York Hospital in York, Pa.

1993

Peggy Guerrero-Martin of Baltimore and husband, Eugene, are overjoyed with their first child who turns one in November.

1994

Samuel Woo of Hagerstown, Md., and wife, **Jennifer L. Murphy '87**, are expecting their first child in October.

PH.D. NOTES

1982

Elaine A. Richman of Baltimore is the first PhD to be admitted to the Medical Alumni Association.

Coming Events

Monday, October 10

American College of Surgeons
Chicago Downtown Marriott
Alumni reception
5:30-7:30 p.m.

Sunday, October 16

Society of Anesthesiology
Westin St. Francis Hotel
San Francisco
Alumni reception
6:00-8:00 p.m.

Wednesday, October 19

Second Annual
UniversityCenter
Life Science Achievement
Award Luncheon
featuring The Hon. Casper R.
Taylor Jr.,
Speaker of the House
Maryland General Assembly
Honoring Dr. J. Tyson Tildon
Westminster Hall
515 West Fayette Street
12:00-2:00 p.m.

Friday, November 4

Inauguration
of Dr. David J. Ramsay
as the fifth president of the
University of Maryland at
Baltimore
Westminster Hall
515 West Fayette Street
1:30 p.m.

Tuesday, November 8

Medical Alumni Association
Board Meeting
Davidge Hall
5:30 p.m.

In Memoriam

Ernest Levi '29

Pikesville, Md.

June 28, 1994

Dr. Levi practiced internal medicine until 1950, when an interest in psychiatry led him to the Johns Hopkins University School of Medicine, Veterans Hospital in Washington, and Seton Institute for training in that specialty. He retired in 1990. "Dr. Levi was a quiet and gentle man who was totally committed to his patients," said his wife, the former Edith Gordon. In addition to his wife, survivors include nieces and nephews.

David H. Andrew '31

Honolulu, Hawaii

January 10, 1994

Dr. Andrew trained in pediatrics and internal medicine at Church Home and University of Maryland Hospitals in Baltimore. He completed his residencies in 1934 and began practicing in Parkton, Md. Dr. Andrew was a public health officer in Wythe County, Va., from 1935 until 1936 and after receiving his Master of Public Health from the Johns Hopkins University School of Hygiene and Public Health in 1937, Dr. Andrew worked for the Baltimore City Health Department. This appointment was followed by three decades of practice in

Baltimore County.

Dr. Andrew was a member of the Baltimore County Medical Society and the Rotary Club. After retirement, Dr. Andrew moved to Honolulu, Hawaii, where he lived until his death in 1994. Survivors include his son, David J. Andrew, M.D.

Abram Goldman '34

Pikesville, Md.

May 1, 1994

Dr. Goldman graduated from the University of Maryland School of Pharmacy and that degree allowed him to realize his goal of becoming a medical doctor. His goal had been set early in life when he lost a young sister to the Swine Flu epidemic of 1918. Dr. Goldman studied hard, worked many long hours at three drugstores, and saved enough money to enter medical school. During the early years of his career, Dr. Goldman served in the Civilian Conservation Camps under the Roosevelt administration at home and he served overseas during World War II with the rank of major. Returning home from the war, Dr. Goldman practiced family medicine with Dr. Nathan Raccusin on Gilmore Street in Baltimore, and in 1956 opened his own practice on Frederick Road. He was a board member on the Baltimore Dispensary Committee Group, dispensers

of charitable funds to the needy. In 1988, Dr. Goldman retired from active practice, but remained well-informed by attending local seminars. Among Dr. Goldman's survivors are his son, Gary and granddaughter, Rena. Rena wrote a beautiful biography of grandpop Al and it was used as source material for this obituary.

James P. Moran '36

Coronado, Calif.

March 22, 1994

Dr. Moran received his training in the specialty of obstetrics and gynecology from the Navy. During World War II, Dr. Moran served as the medical officer aboard the light cruiser Omaha in the Atlantic theater. In 1952, he became one of the first physicians in the country to receive certification from the then fledgling American Board of Obstetrics and Gynecology. He was assigned to the Naval Hospital in San Diego in 1957 after tours of duty in Key West, Fla., Guam and Hawaii. Dr. Moran published numerous scientific papers, including a major article on ovarian cancer. He retired from the Navy in 1962 and began a practice in Coronado where he also became head of the OB-GYN department at Coronado Hospital. In 1979, the hospital

named him director of its extended care facility. Dr. Moran is survived by his wife, Marjorie, two sons and two grandchildren.

Salvador D. Pentecost '36

Delray Beach, Fla.

June 23, 1994

Dr. Pentecost was associated with a urology practice in Beleville, N.J., and was on the staff of Clara Maass Memorial Hospital. From 1939 to 1960, he was the staff physician for the Lionel Corp., manufacturers of electric trains. In 1945, Dr. Pentecost was discharged, with the rank of captain from the Army after serving with the Medical Corps during World War II. He had been a member of the American College of Surgeons. After his retirement in 1978, he moved to Florida. His survivors include his wife Eleanor, a son, two daughters, five granddaughters and a great-granddaughter.

Gibson J. Wells '36

Ruxton, Md.

May 23, 1994

Dr. Wells had two active careers in medicine and ministry. He served an internship and residency at University of Maryland Hospital. Shortly after he began practicing medicine in 1940, Dr. Wells entered the Navy and served as medical officer and acting

In Memoriam

chaplain on the USS Casa Grande, a landing ship dock, which saw action in the Philippines and Okinawa during World War II. Returning to active practice after the war, he was appointed associate professor in pediatrics in the School of Medicine and chief of pediatrics at Maryland General and Lutheran hospitals. He served on the staffs of several other hospitals in Baltimore, and was chair of the pediatric section of the Baltimore City Medical Society. After ordination as an Episcopal deacon in 1974, Dr. Wells assisted in some pastoral services, performed others and visited the sick. Dr. Wells' wife of 42 years, Hazel Miller, died April 30, 1994 and, despite his own illness, Dr. Wells assisted at her memorial service just two weeks before his death. They are survived by four nieces and two nephews. A memorial fund is being established by the department of pediatrics and Pastoral Care Services to develop a lecture series on "The Art of Medicine" in the names of Dr. and Mrs. Wells. Those interested should contact the Medical Alumni Association of the University of Maryland, Inc.

Julius C. Brooks, Jr. '41

Sebring, Fla.

April 25, 1994

Dr. Brooks served his internship and surgical residency at Baroness Erlanger Hospital. Prior to retirement, he was chief of staff at Highland General Hospital in Sebring and was president of the Highlands County Medical Society. Among those who survive him is his daughter, Betty B. Braund.

Malcolm T. McGoogan '42

Waycross, Ga.

February 21, 1994

Dr. McGoogan interned at Maryland General Hospital in Baltimore where he received his training in surgery. He was certified by the American Board of Surgery. During his career, Dr. Brooks was president of the Pierce County Medical Society and held the distinction of being the first MD on a local hospital governing board. He served as president of the local chamber of commerce for 14 years. Among those surviving Dr. McGoogan is Katherine, his wife.

Alfred S. Garrison '43M

Baltimore, Md.

April 23, 1994

Dr. Garrison, a Baltimore surgeon for more than four decades, maintained offices at St. Agnes and Bon Secours hospitals and was chair of the

department at St. Agnes from 1972 until 1976. He also served as chief of staff of that hospital. During World War II, Dr. Garrison was a lieutenant in the Navy and served as a doctor in the Pacific and at a naval hospital in Key West, Fla., just after the war ended. He retired in 1986. Dr. Garrison was a Fellow of the American College of Surgeons. His wife Nancy survives him as do his three sons, a daughter and five grandchildren.

Ricardo Mendez-Bryan '51

Hato Rey, P.R.

May 9, 1994

Dr. Mendez-Bryan served internal medicine residencies at Alejandro Ruiz Soler and San Juan City Hospitals in Puerto Rico and at Emory University Hospital in Atlanta. He taught at the School of Medicine of the University of Puerto Rico and was chief physician at Turner AFB in Albany, N.Y. In 1971, the governor of Puerto Rico named him to the Commonwealth Board of Health. Dr. Mendez-Bryan specialized in rheumatology and was published numerous times on the subject. He served as president of the Puerto Rican Rheumatology Association in 1992 and was a member of the American Medical Association, the American

Rheumatism Association, the Puerto Rico Medical Association, the Puerto Rican Rheumatology Association, the InterAmerican College of Physicians and the Arthritis Foundation. Dr. Mendez-Bryan is survived by his wife, Zaida Perez.

Paul G. Koukoulas '59

Baltimore, Md.

April 10, 1994

Dr. Koukoulas served an internship at St. Agnes Hospital and a residency at the Fort Howard Veterans Hospital. He maintained an internal medicine practice in Dundalk since 1963. He was born on the island of Rhodes in Greece and came to this country when he was 16 years old. Dr. Koukoulas was very active in Baltimore's Greek community. Among Dr. Koukoulas' survivors are his wife, the former Gloria Cutrumbes, his mother, a son and a daughter.

Paul B. Voelkel '69

Opelika, Ala.

June 2, 1994

Dr. Voelkel interned at Grady Memorial and completed his residency in radiology at Emory University Hospital in Atlanta. He taught radiology at Ohio State University and practiced privately in Beeler and Silver, Indianapolis before

continued on page 46

Faculty and Staff News

Robert Barish, M.D., chief, division of emergency medicine and **Edward Bolgiano, M.D.**, **Brian Browne, M.D.**, **Robert Doherty, M.D.** and **Georgina Groleau, M.D.**, all of the division of emergency medicine, were the faculty during a session on *"Acute Medical Problems: The First Thirty Minutes"* at the American College of Physicians annual scientific meeting.

Barbara Lee Bass, M.D., chief, surgical service, Baltimore VA Medical Center, has been appointed to the National Board of Medical Examiners as a test committee representative. The members constitute the governing body of the board, with responsibility for establishing organizational policy.

Brian Berman, M.D., director of the division of complementary medicine, has been appointed to the alternative medicine advisory council of the National Institutes of Health.

Michael Berman, M.D., chairman of the department of pediatrics in the School of Medicine, has been appointed as chairperson to the council on medical affairs of the Medical and Chirurgical Faculty of Maryland. Berman, the first chair of the council,

will oversee committees concerned with young physicians, women in medicine, hospital medical staffs and ad hoc academic physicians. **Mordecai Blaustein, M.D.**, chairman, department of physiology, spent ten days in Italy as a visiting professor lecturing to medical students at the University of Padua.

Maimon M. Cohen, Ph.D., professor and director of the division of human genetics is 1994 president of the American Society of Human Genetics and vice-president of the American College of Medical Genetics. He addressed the Biotechnology Policy Forum on the topic of *"Genetic Testing: Implications for Managed Health Care."*

Carnell Cooper, M.D., assistant professor of surgery, department of surgery, School of Medicine, has been awarded the American Association for the Surgery of Trauma Scholarship.

Murray M. Kappelman, M.D., associate dean, medical education and special programs, has been selected to receive the Merrel Flair Award from the Association of American Medical Colleges (AAMC) Group on Education Affairs. The award is given to

honor an individual who has made a major contribution over a significant time period to the process or administration or transmission of information regarding medical education in North America.

Shahar Kol, M.D., postdoctoral trainee with **Eli Y.**

Adashi, M.D., division of reproductive endocrinology, department of obstetrics and gynecology, has won the Merck Senior Fellow Award of the Endocrine Society. The award is given to stimulate, promote and encourage education and training of investigators in endocrinology.

Fred Osher, M.D., has joined the department of psychiatry as director of the division of community psychiatry. He will also direct catchment area services, as well as the screening, coordination, outreach unit for triage, transfer and tracking.

Eric Poehlman, Ph.D., associate professor of medicine and physiology at the Baltimore VA Medical Center, has received a Minority Research Faculty Fellowship Grant from the National Institute of Aging. The grant will allow him to continue his research on Alzheimer's disease.

Lewis Rubin, M.D., head, division of pulmonary and critical care, department of medicine, was a member of the panel assembled by the Agency for Health Care Policy and Research to write new clinical guidelines for treating heart failure.

Arthur E. Sowers, Ph.D., research professor in the department of pathology, presented an invited paper on the micromechanics of the spectrin network at the Fourth International Symposium of Charge and Field Effects in Biosystems.

Sanford Stass, M.D., has joined the department of pathology as vice chairman of diagnostic pathology and director, UMMS laboratories of pathology.

David Stewart, M.D., associate professor, department of family medicine and **Elijah Saunders, M.D.**, head, division of hypertension, were featured speakers at the West Baltimore Diabetes/Hypertension Initiative's "Strike Out Stroke" conference. Florence Griffith-Joyner, former Olympian and current co-chair of the President's Council on Physical Fitness and Sports, was the keynote speaker.

continued on page 46

For Ollie Eylar, It's Time to . . . Stop and Smell the Roses

Microbiology prof retires after 35 years

"They've gone by too damn fast," says Ollie Eylar, Ph.D., associate professor of microbiology, referring to his 35 years at the University of Maryland School of Medicine. They must have, considering that his original plan was to stay four or five years and then "move out and up." So how did he come to miss his self-imposed deadline by 30 years or so?

One would have to note as a watershed event the wisdom imparted to the Ohio native by his junior year advisor at the University of Minnesota. He told Dr. Eylar, a chemistry major and math minor, that "math might not be what you want to do." Taking the hint, Dr. Eylar was then introduced to microbiology. "It was so much fun, I just gobbled it up!"

So much so, in fact, that from writing lab experiments for microbiology courses, he moved on to graduate school and in 1959, completed his doctorate. He had a number of job offers, one of them here.

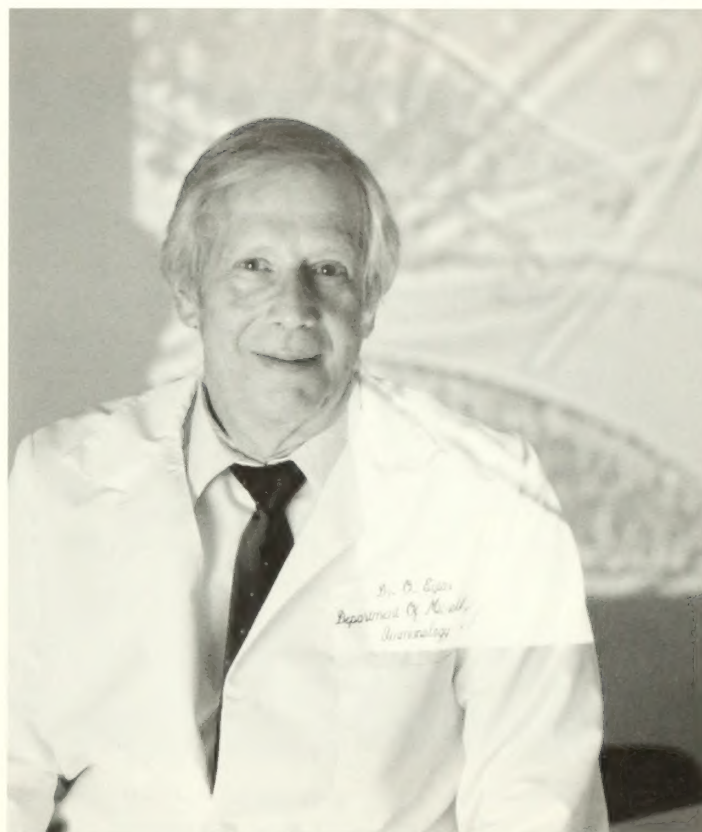
"I was lucky enough to get a position here," says Dr. Eylar. "I ended up in a department that emphasized teaching, both graduate students and medical students; there was research to do and committees to sit on; I was sort of thrown into the mixmaster."

Such Sturm und Drang only whetted his enthusiasm. "I remember one time some students stormed in, up in arms about final exams, want-

"I tried to make students feel that this was the place to try anything, to make mistakes."

ing them to be more like what microbiology is in real life. We said, 'Hey, you're right!' and made the changes."

Dr. Eylar credits his students with teaching him what you could and could not do as a teacher. "I loved the inter-relationship with students, the



Ollie Eylar

bantering. There were always two or three just as lippy as I was, and we could always really get things rolling. I tried to make students feel that this was the place to try anything, to make mistakes."

Apparently, his rapport with students was a good one, for he developed a reputation as being, in his words, "demanding, but fair."

For now, Dr. Eylar is looking forward to enjoying his house, his roses, his reading and his dogs — a Rhodesian

ridgeback, a miniature poodle and "a big brown one."

So while he may officially be retiring, Dr. Eylar will not be going out "cold turkey"; he will return for some guest lecturing. And anyway, Ollie Eylar is anything but retiring. **B**

Vicki Strittmater

Bill McAllen

In Memoriam, continued

going to Opelika where he practiced at East Alabama Medical Center until 1991. He was a member of the American Medical Association, the Radiology Society of America, the Lee County Medical Society and the American College of Radiology. Survivors include his wife, Casimira, one son and one daughter.

Thomas S. Templeton II '73
Chattanooga, Tenn.
April 20, 1994
Dr. Templeton received his training in orthopaedics at the Medical College of Georgia in Augusta. He practiced that specialty in Chattanooga, Tenn. He was a member of the John Beale Davidge Alliance of the School of Medicine, the Medical Alumni Association and of the Presidents Club of the University of Maryland. Dr. Templeton was a member of the American Medical Association, the Tennessee Medical Association, the American Association of Orthopaedic Surgeons, the Mid-Atlantic Orthopaedic Association and the American Academy of Orthopaedic Surgeons for Sports Medicine. Dr. Templeton's survivors include his wife, Mary.

Maxie T. Collier '77
Baltimore, Md.
April 22, 1994
Dr. Collier interned at the University of Maryland Hospital and went on to become the first African-American health commissioner. He was an early champion of needle-exchange programs to prevent the spread of the virus that causes AIDS among intravenous drug abusers. Baltimore City Mayor Kurt L. Schmoke remembers Dr. Collier as a brilliant psychiatrist and a compassionate public health official. After leaving the health department in 1990, Dr. Collier practiced psychiatry at Liberty Medical Center in northwest Baltimore. In addition to his wife, Dr. Katherine Collier, a dentist, and eight children, Dr. Collier is survived by his parents, two brothers and his sister. **B**

Memorial gifts may be made to: Medical Alumni Association of the University of Maryland, Inc. 522 West Lombard Street Baltimore, Md. 21201-1627 or call (410)706-7454 for more information.

Faculty and Staff News, continued

Paul Stolley, M.D., MPH, professor and chairman of the department of epidemiology and preventive medicine, has been elected president of the American Epidemiological Society, the oldest professional organization of epidemiologists in the United States. He will preside over the society's annual meeting in March, 1995.

Daniel Sussman, M.D., assistant professor in the OB/GYN division of human genetics, has been appointed to the scientific advisory board of the "Bill Nye The Science Guy" television program, which aims to stimulate interest in science.

J. Tyson Tildon, Ph.D., professor of pediatrics and biochemistry, School of Medicine, recently delivered the twelfth annual Hinton-Wright Lecture at Harvard Medical School. His topic was mentoring as a major methodology for education. Dr. Tildon was also recently awarded the George Washington Carver Research Scientist Award from the Tuskegee Institute Alumni Association.

Jordan E. Warnick, Ph.D., professor of pharmacology and experimental therapeutics and director of student research programs in the School of Medicine, has been asked to serve on the Abell Foundation advisory board of Project Ingenuity, a multi-year plan to give Baltimore City school students a rigorous and enriched school experience. Dr. Warnick has also been named to the advisory panel for the foreign faculty fellowship of the Educational Commission for Foreign Medical Graduates.

Donald E. Wilson, M.D., M.A.C.P., dean of the School of Medicine, was a panelist at a recent conference on "Local Problems, Global Solutions," sponsored by the United States Agency for International Development. Vice President Al Gore was the keynote speaker. **B**

Student News

Alumni Sponsor Students at National AMA Meeting

Jin Yung Hur '97, Devashish Anjaria '97, and Jennifer Wallace '97, representatives for the University of Maryland AMA-MSS chapter, attended the 16th Annual National American Medical Association, Medical Student Section (AMA-MSS) meeting June 9-12 in Chicago. More than 700 students from medical schools across the country participated, discussed, and voted on resolutions that will be presented to the AMA House of Delegates.

Two of the major issues debated were physician work force reform and the national ban on privately owned handguns. The AMA-MSS voted in favor of the regulation of

physician work force at the level of medical schools and the national ban on private ownership of handguns. The students participated in various workshops, titled Leadership Skills, Chapter Development, and a special program, Violence in America-Costs and Responsibilities. With the support of the Medical Alumni Association, the students gained valuable insight and knowledge about the workings of the AMA-MSS and the various legislative issues that are pertinent on the national level as well.

(sorry, no photos available from this event.)



Senior Night

On Tuesday, June 14, members of the Medical Alumni Association Student Advisory Committee (MAASAC) and medical students carried out their first annual community project by hosting Senior Night at the Bolton North Senior Residence. Residents of Bolton North are active members of the community and participate as volunteer patients in the freshman course titled Introduction to Clinical Practice.

Refreshments were served as students and senior citizens shared their stories and danced together to Electric Slide and

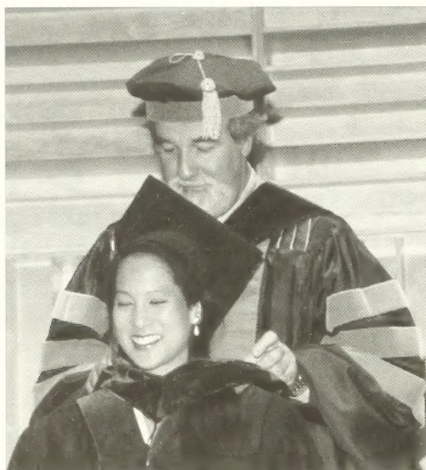
music of James Brown. One highlight of the evening was Rachael Burdick's '96, dance in flamenco style.

Senior Night helped strengthen the relationship between the medical students and senior citizens by fostering warm friendships and promoting mutual respect between the two groups. A special thanks to Jin Yung Hur '97, for planning the evening and to classmates, MAASAC members, residents of Bolton North, and Assistant Director Caryn Collier for all of the assistance.

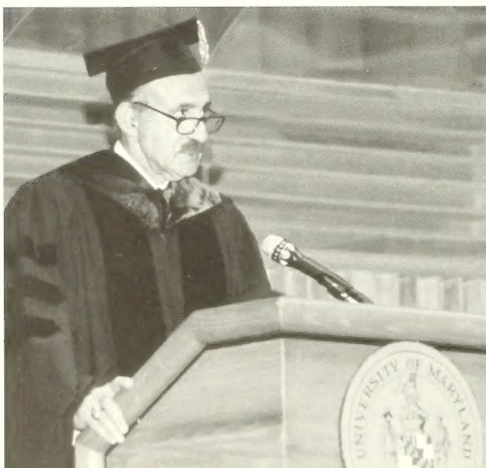


Congratulations, Class of '94!

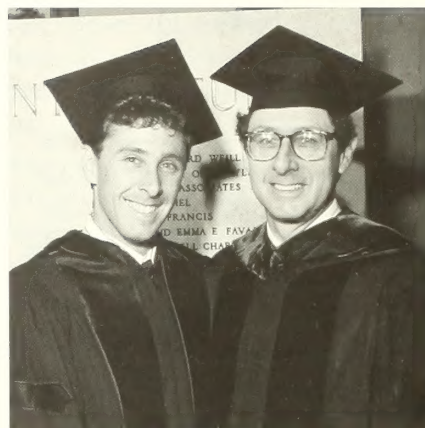
Family, faculty, alumni, and friends joined the graduating class at Joseph Meyerhoff Symphony Hall on May 20 for the 1994 pre-commencement ceremonies. Candidates for degrees were hooded during the ceremony and Dean Donald E. Wilson delivered the Hippocratic Oath. Dr. Sylvan Frieman, president of the Medical Alumni Association, extended a welcome to the newest members of the alumni family.



Kathleen Flores '94, is hooded by Vice Dean Frank Calia.



MAA president Sylvan Frieman, '53, congratulates the graduates.



Louis Malinow '94, and Dr. Stanford H. Malinow '68.



Lauren Berkow '94, and Dr. Joseph Berkow '61.



Jay Penafiel '94, and Dr. Mario Penafiel.

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Stephen Spartana

In our next issue. . .

September 21 marked the beginning of an exciting new chapter in the history of the University of Maryland Medical Center with the dedication of the new Homer Gudelsky Building. The opening of this outstandingly designed nine-story patient tower will be featured in the winter issue of *The Bulletin*.

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UMMS unveils its ultra-modern Homer Gudelsky Building

After years of planning, months of meetings, hundreds of construction hours, tons of building materials and unlimited expertise in every area of patient care, administration, finance, design space planning and construction—the University of Maryland Medical System celebrated the opening of its Homer Gudelsky Building in September. The new building offers its patients the very latest in scientific advancements in a pleasant, welcoming and comfortable setting.

14 Honor Roll 1994

Once again, we take this opportunity to thank our donors for their generous and unfaltering support of the University of Maryland School of Medicine and Medical System. Our graduates, faculty and friends have ample reasons to be proud of their gifts and the progress they have made possible. These Honor Roll pages acknowledge your loyal dedication.

On the cover

The Homer Gudelsky Building's skylighted atrium is filled with palm and black olive trees surrounded by azaleas, and Boston ivy growing overhead. A marble tile floor, glass bridge and glass elevators add to the atrium's light, airy and welcoming feeling.

Photograph by
Stephen Spartana

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Correspondence should be addressed to the Editor of The Bulletin. Communications regarding membership, dues status or changes of address should be directed to the executive director of the Alumni Association. Four to six weeks advance notice is required for address change.

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Message from the Dean



Donald E. Wilson, M.D., Dean

I would like to update you on some of our activities for the last six months. There have been a number of critical changes in how we do things and in who does them.

In July, we began implementation of our strategic plan. Many of the strategies outlined in the plan have been put into place and, in some cases, goals and objectives have already been met as a result.

One of the most dramatic changes has been in how we educate our students. After two years of planning, with input from students, faculty and staff, we implemented a new curriculum with the 1994 entering class. The rationale at the core of these changes was the need to teach students how to prepare for a lifetime of learning. We all know that we cannot teach students everything they need to know in four years, so we must equip them to continue the learning process. Even though formal health care reform legislation did not pass in Congress, there are already dramatic changes in how and where we care for people. There has been a major shift from the inpatient to an ambulatory setting. As a result, education of our students will also need to reflect these changes.

In our new curriculum there is more ambulatory teaching and patient contact occurs in the second week of school. Family medicine now occupies a more prominent position in the curriculum. In fact, a four-week, third-year family practice clerkship will be introduced in 1996. However, while we do not intend to compromise any other specialty or affect our students' freedom to select a medical specialty of their choice, we do wish to give all of our students an opportunity to experience each of the major specialties before they are required to make a career decision.

Other changes include block teaching and the integration of traditional structure and function into teaching modules. The greater use of clinical faculty in teaching the basic sciences will help to enhance the relevance of the curriculum. There has been a reduction in formal lectures and an increase in small group teaching activities. These small groups will often utilize problem-based learning, which will allow us to emphasize areas we previously have not, and engage the student as an active participant in the process. We have emphasis on nutrition, geriatrics, chemical substance abuse, preventive medicine,

environmental medicine, health and public policy and bioethics.

An important aspect of the new curriculum is the emphasis on medical informatics, the field that concerns itself with the cognitive, information processing and communication tasks of medical practice, education and research. For the first time, our students participated in a week-long block of training in medical informatics that places more responsibility for learning in the students' hands. We are the country's first medical school to make this training an integral, required part of the curriculum.

Our new curriculum will demand faculty teaching time, even as changes in the external environment require them to seek research funding and expand clinical practices in a more competitive market. To help address these issues, a diverse committee composed of faculty and department chairs has been meeting for the past year on these issues. The committee has already agreed upon a list of recommendations, and the next step is a retreat for an ad hoc group representing this committee and the School of Medicine executive committee to develop a final report. We know that we must find

more creative ways to reward our faculty, and we are moving in that direction.

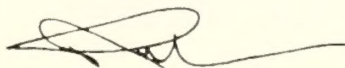


Besides changes in the curriculum, changing health care demands have caused us to initiate other changes in how we do business. The School of Medicine, the school's clinical practice plan and the University of Maryland Medical System (UMMS) are engaged in several initiatives designed to allow us to respond more effectively to these changing health care demands. This is necessary in order to maintain our teaching and research missions, as well as provide quality care to our communities. One such initiative is the formation of a Physicians Hospital Organization (PHO). The PHO will be jointly developed by the dean and the president of UMMS. It will allow us to respond more effectively to managed care offerings and develop our clinical care initiatives. We are planning to open several primary care sites in metropolitan Baltimore to meet our objectives.

I am pleased to tell you that another critical goal—creation of the full-time position of associate dean to facilitate the school's research development, graduate programs and technology trans-

fer processes—has been met. Dr. Tyson Tildon, a highly-respected researcher and faculty member for nearly 25 years, and the most recent recipient of the UniversityCenter Life Sciences Achievement Award, has accepted the position of associate dean for research and graduate studies in the School of Medicine. While he has done so on an interim basis, we are hopeful that he will stay longer and that we will be fortunate enough to find someone as accomplished as Dr. Tildon to fill the position permanently when he finally retires.

Another important event was the inauguration of David J. Ramsay as the new president of the University of Maryland at Baltimore. The formal inauguration occurred in November after a week of activities preceding the ceremony. In the months that Dr. Ramsay has already served as president, he has demonstrated the qualities of leadership that the campus needs for its continued and enhanced success.



Donald E. Wilson, M.D.
Dean



Stephen Spartana

There are many dramatic changes occurring in the landscape here on campus. The University of Maryland Medical System's exciting new Gudelsky Building is featured in this issue of the *Bulletin*. This exquisite 9-story addition formally opened in September and, we feel, has added a new excitement to the university community.

Our new Health Sciences Facility research building was dedicated in December (see back cover), and is scheduled for completion next summer. The dedica-

In this issue

tion honored
Governor William
Donald Schaefer

for his support in helping to make the building a reality. Construction of the Maryland Biotechnology Center is scheduled for completion in late 1995. You will be reading more about these new buildings, their new tenants and the exciting work they house in future issues of the *Bulletin*.

This is also the annual giving issue of the *Bulletin*, giving thanks to all the donors who have contributed to the Medical Alumni Association, the School of Medicine or the University of Maryland Medical System in the past year. Your support is invaluable to us as we continue our pursuit of excellence in education, research and patient care. We hope you feel you have made a wise investment.

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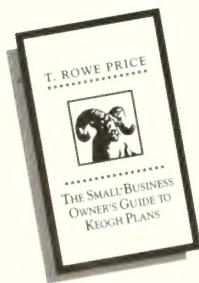
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News

Montebello Rehabilitation Hospital to relocate

Montebello Rehabilitation Hospital, Maryland's largest and only free-standing rehabilitation facility, will move from its location on Argonne Drive in Baltimore to a new facility built on the grounds of the 88-acre James Lawrence Kernan Hospital near Woodlawn. The new facility will be called the William Donald Schaefer Rehabilitation Center at Kernan.

Construction of the new, 128-bed rehabilitation center began in November 1994. Its completion is planned to coincide with Kernan's centennial celebration in late 1995. The facility will be ready for patients in early 1996. When completed, the new, \$30 million hospital will be one of the largest rehabilitation facilities in the U.S., incorporating today's

state-of-the-art features to provide the best possible patient care.

"Montebello offers terrific, high quality service, but the facility itself is outdated both in terms of aesthetics and design. The new building at Kernan will offer Maryland residents the most modern rehabilitation facility available in the region," says Morton I. Rapoport, M.D., President and CEO of the University of Maryland Medical System.

The new 2-story facility will adjoin the existing Kernan Hospital and will incorporate the exterior architectural features and landscaping of Kernan. There will be four new rehabilitation units - stroke, orthopaedics, brain injury and spine/neurological injury, each with 32 licensed beds. The facility will also have an indoor hydrotherapy pool and other features, as well as dedicated research and administrative space. The \$30 million project is funded by a \$15 million state grant and the sale of \$15 million in bonds. ■

- E.B.L.

Dr. Tildon honored for SIDS research



Dr. David J. Ramsay, president of UMAB; Dr. Morton I. Rapoport, president of UMMS; Dr. J. Tyson Tildon; and Dr. Donald E. Wilson, dean, School of Medicine.

Dr. Tyson Tildon, professor of pediatrics and biochemistry, School of Medicine, and a highly respected scientist known for his research on Sudden Infant Death Syndrome, received the UniversityCenter's Life Science Achievement Award on October 19.

The award honors a premier UniversityCenter scientist, researcher, faculty or staff member, student or alumnus for outstanding achievement in helping the Baltimore region to realize its life science vision.

Dr. Tildon came to the University of Maryland in 1968 and served as director of pediatric research in the School of Medicine from 1972-1983. He has been a full professor of pediatrics for 20 years, and has had an appointment in the depart-

ment of biological chemistry for 12 years.

Dr. Tildon has made a number of significant contributions during his tenure in the School of Medicine and is widely known as the primary architect of the department of pediatrics' Sudden Infant Death Syndrome Institute, which is recognized as a major multidisciplinary program directed toward understanding the causes of SIDS. But Dr. Tildon says his true interest has always been in mental retardation research. One of his discoveries—a disease condition in infants called CoA transferase deficiency—led to a better understanding of the factors contributing to mental retardation.

A native of Baltimore, Dr. Tildon received his bachelor

> continued on page 6

The News and Advances sections are prepared with thanks to the public affairs officers of the University of Maryland at Baltimore (410-706-3572), the University of Maryland Medical Center (410-328-6776) and the Baltimore Veterans Affairs Medical Center (410-605-7101):

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News

School offers first computer "boot camp" for future physicians

While health care reform seems to be on hold for now, medical education reform is already underway for 145 first-year medical students at the University of Maryland School of Medicine.

Students participated in a week-long block of medical informatics training. The block is the first in a newly designed curriculum that places more responsibility for learning in the hands of the student. Maryland is the country's first medical school to make the training an integral, required part of the curriculum, and the Class of 1998 is the first to undergo the process.

Medical informatics is the field that concerns itself with the cognitive, information processing and communication tasks of medical prac-

tice, education and research. It includes the science and technology to support these tasks. While medical education has historically relied heavily upon lectures and material memorization, the emphasis now is upon equipping the future physician to understand how to access information and use it to deliver a high level of patient care.

"Medicine is in the midst of an information explosion which shows no sign of slowing down, and the only way that future physicians will be able to keep up with the expanding knowledge base is to make a lifelong commitment to learning," says Donald E. Wilson, M.D., M.A.C.P., dean of the School of Medicine. ■

- V.S.

New degree track puts Maryland on the cutting edge

Responding to the increasing demand for skilled scientists in research laboratory science, the University of Maryland School of Medicine's department of medical and research technology has expanded its bachelor of science program to include a new concentration of study in biotechnology. This makes Maryland the first state in the nation to offer biotechnology programs from the high school to the doctoral level. Students began the new program this fall.

The program is particularly unusual, as its curriculum was designed with the collaboration of biotech companies such as Becton Dickinson and Chesapeake Biological Labs, Inc. This was important, according to department chair Denise Harmening, Ph.D., in order to "meet the needs that were defined by the people doing the hiring." Others involved in developing the unique curriculum included the Greater Baltimore

Committee, the Life Sciences Institute of Baltimore City College, the Maryland Biotechnology Institute and the Maryland State Department of Education. The department of medical and research technology already houses the largest accredited program of clinical laboratory science in the country. The department currently trains about 70 percent of the state's clinical laboratory scientists or medical technologists, who help diagnose disease by analyzing blood, urine and tissue samples.

The new degree track will train biotechnologists, who will serve as members of a multidisciplinary team of researchers involved in the discovery, development and production of chemicals, diagnostic products and biopharmaceuticals. Within the next three years, the program is expected to graduate 50 students each year. ■

- V.S.

Tildon, continued from page 5

of science degree from Morgan State University in 1954 and his doctorate in biochemistry from the Johns Hopkins University in 1965. He spent a year as a Fulbright Scholar at the Institut de Biologie Physico-

Chimique in Paris from 1959 to 1960, and was a Helen Hay Whitney post-doctoral fellow at Brandeis University from 1965 to 1967. ■

- V.S.



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UM researcher develops genetic on/off switch

Millions of people at one time or another have been prescribed the antibiotic tetracycline for a respiratory infection or skin problems. Now Priscilla Furth, M.D., assistant professor, department of medicine, has found another use for it.

In collaboration with Lothar Henninghausen, Ph.D., from the National Institutes of Health (NIH) National Institute of Diabetes and Digestive and Kidney Diseases, Dr. Furth has developed a way to start and stop certain genes in transgenic mice. The mechanism allows scientists to control the timing of a gene's activity, and imitate the disease process that takes place in humans. They may then study the genes that cause or control the development of diseases such as cancer.

Scientists have determined that the latter, called oncogenes, can be in the body long before becoming active. "There are a number of mutations in a fully developed cancer, but the question is, when do they all occur?" wonders Dr. Furth. Being able to turn on a gene at a certain point in a

mouse's development could allow the genes involved to be identified, and potential cancers to be diagnosed, she explains.

The system Drs. Furth and Henninghausen have developed is based on a target gene controlled by an usually inactive synthetic promoter, and a second gene, designed to make a trans-activator protein. The trans-activator binds to the promoter and activates the target gene. When tetracycline is introduced, it binds to the trans-activator and prevents activation of the target gene. Dr. Furth will use the new technique to study what happens when cancer-causing genes in breast tissue are activated.

Previously, researchers have used the body's natural hormones or enzymes to control gene activity, but these substances may activate other genes not being studied. Tetracycline is non-toxic and does not affect other genes. "It goes into all tissues and can cross the placenta, so even unborn mice can be treated. It's very easy," Dr. Furth says.

Drs. Furth and Henninghausen also collaborated with Peter Gruss of the Max-Planck Institute, Gottigen, Germany and Hermann Bujard of the Center for Molecular Biology. ■

- V.S.

School receives funding for AIDS program

Researchers at the University of Maryland School of Medicine have received a five-year grant totaling more than \$3 million to support community-based AIDS research in Baltimore. The majority of these funds will be directed to Baltimore TRIALS (Treatment Research in AIDS for Life and Survival), a network of community and academic clinicians involved in HIV care in Baltimore, who are primarily interested in

tion anti-viral therapy, vaccine therapy, treatments for opportunistic infections, cervical disease in infected women and quality of life in individuals with HIV.

Principal investigator and medical director for the project is David Wheeler, M.D., an infectious diseases specialist and assistant professor of medicine at the University of Maryland School of Medicine. "This project is also significant because it provides an opportunity for

The University of Maryland School of Medicine is one of only four new sites in the country to receive funding for community-based clinical trials studying promising HIV therapies.

improving access to new and experimental treatment for AIDS patients.

Community-based AIDS research is conducted within the setting where primary care is provided for individuals with HIV. That setting may be a university clinic, community health center or private physician's office.

This is unlike traditional research, where the patient is usually asked to make additional visits to a study center.

To date, Baltimore TRIALS has been involved in studies which evaluate new anti-viral agents, combina-

collaboration with other clinicians in the community," says Dr. Wheeler. "We work with physicians from the Chase Brexton Clinic, the Baltimore VA Medical Center, Sinai Hospital, community hospitals and health centers and private clinics and physicians' offices throughout the greater Baltimore area."

According to Dr. Wheeler, the money will be used to hire outreach workers—study nurses—who will be in the community providing care and keeping data.

> continued on page 9

For more information, please call the University Physicians Consultation & Referral Service, 1-800-373-4111.

AIDS, continued from page 8

This critical element had been missing until federal funding became available.

The University of Maryland School of Medicine is one of only four new sites in the country to receive funding for community-based clinical trials studying promising HIV therapies. There are also 12 existing sites. This is the first time a Maryland institution has participated in the project, known as Community Programs for Clinical Research. ■

- V.S.

UM to conduct largest ever study of uterine fibroids

Researchers at the University of Maryland School of Medicine have received \$1.2 million from the National Institutes of Health (NIH) to conduct the largest-ever study of risk factors for the growth of uterine fibroids in African-American and white women. The grant, awarded by the National Institute of Child Health and Human Development, enables investigators to recruit 1,250 Maryland women for the study.

"Uterine fibroids are the leading reason for hysterectomy and the cause of significant suffering for 25 to 40 percent of women in their childbearing years," says Kristen Kjerulff, Ph.D., assistant professor, department of epidemiology and preventive medicine and principal investigator for the study. "Our research will bring to light the effects that family history, childbearing, oral contraceptive use and health history have on the development and growth of uterine fibroids."

Dr. Kjerulff was also the principal investigator for a

groundbreaking study that found African-American women are twice as likely as white women to have hysterectomy for uterine fibroids, that they have it at a younger age with higher costs, and that they face a 40 percent greater risk of complications than white women.

For information about participating in the study, call (410)706-5563. ■

- V.S.

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 a new era in PATIENT

CARE

UMMS UNVEILS

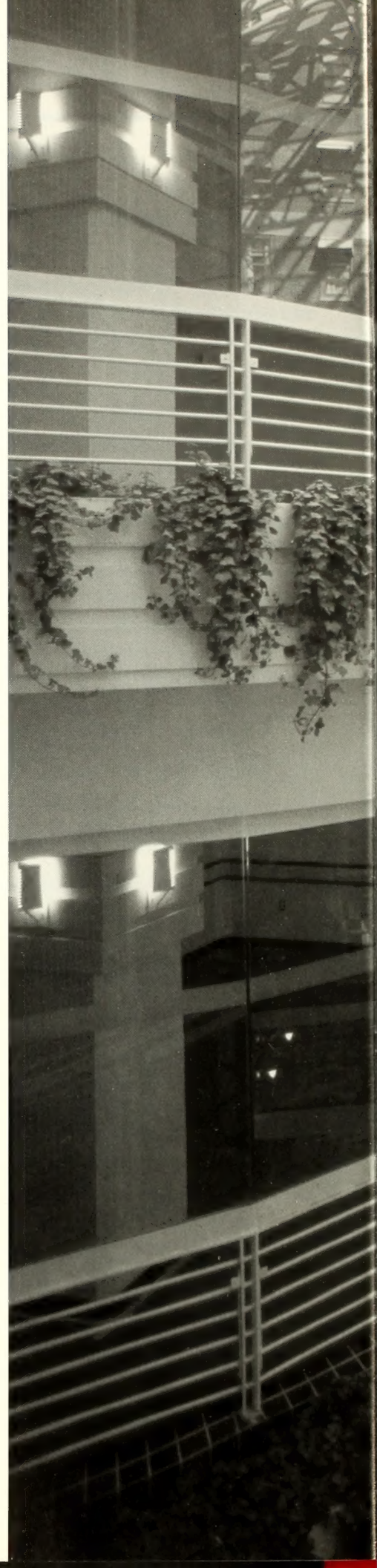
ITS ULTRA-MODERN HOMER GUDELSKY
BUILDING



Glass elevators rising up a 12-story sky-lit atrium full of lush palm and olive trees... Rooms in designer colors with views of Baltimore's new Orioles stadium... Each floor hosted by a guest relations representative to help with restaurant reservations and travel arrangements.

It looks and feels like a luxury hotel, but is in fact the University of Maryland Medical System's new Homer Gudelsky Building. Located at the corner of Greene and Lombard Sts., the building will house cancer care, neuro-care, cardiac care, transplant surgery, and diagnostic imaging, as well as a completely new, state-of-the-art radiation oncology program. >

PHOTOGRAPHS BY STEPHEN SPARTANA





"The mind and body are not two separate things.
They go together. And we think people will get well
faster in a place where they feel more comfortable."

Eberhard Zeidler,
Architect, Zeidler-Roberts
Partnership, Inc.



IN HONOR OF HOMER GUDELSKY

The new building honors the memory of Homer Gudelsky, a prominent businessman and philanthropist from Montgomery County who had been a patient for several years at the University of Maryland Cancer Center. During that time, he expressed an interest in helping the medical center improve its aging facilities to match the excellent, state-of-the-art care he and other patients had received. After his death in 1989, his family foundation donated \$5 million toward the new building to fulfill his wish.

Other donations from individuals, foundations, and corporations, as part of an ongoing capital campaign, have played a significant role in the improved facilities. Governor William Donald Schaefer and the Maryland General Assembly were also key to the new project, pledging \$54 million in state funding.

In the new building, all intensive care beds are located in private rooms. All patient rooms have windows with views of the outside. Family/visitor waiting rooms on each floor overlook the expansive, bright, plant and tree-filled atrium, as do the visitor elevators.

The ultra-modern, 300,000 square foot building is not only a pleasant and soothing environment for patients and their families, but also houses advanced equipment, specifically designed surgical suites, and the most technically advanced ICU's.

The new building, which opened September 21, is named for Homer Gudelsky, a prominent businessman and philanthropist from Montgomery County who had been a patient for several years at the University of Maryland Cancer Center (see sidebar).

The 187 beds in the nine patient care floors of the Gudelsky Building will replace beds that are being taken out of service in older parts of University Hospital. The new facility is connected, floor by floor, with the hospital. A new main entrance to the hospital has also been constructed, featuring an unusually large revolving door that opens into a glass enclosed walkway that connects both the new Gudelsky Building to the rest of the hospital.

Floors for neurocare (4 and 5) and cardiac care (6 and 7) are already open. Transplant surgery and cancer care (8 and 9) will be completed this summer. Radiation oncology (ground) began its phased move in January.

The Gudelsky Building is part of a \$150 million facilities improvement program of the University of Maryland Medical System. The cost of constructing the Gudelsky Building, along with the cost of relocating other facilities that had been on the site, was \$90 million. The new building, which took two years to construct, was designed by Zeidler-Roberts Partnership, Inc. with construction management by Turner-Smoot.

This article was prepared with thanks to the public affairs office of the University of Maryland Medical System.



Some rooms offer views of Camden Yards.

The Gudelsky Building is designed to enhance the comfort and convenience of our patients and their families. It is the most dramatic evidence of our dedication to combine patient comfort and technical advances.

Morton I. Rapoport, M.D.
President and Chief Executive Officer
University of Maryland Medical System



“It's going to be a model for hospitals everywhere.”

Martha Gudelsky,
wife of the late Homer Gudelsky;
president and CEO, Percontee, Inc.

> Each floor is hosted by a guest relations representative.



“We asked the architects to create an image that says: 'This is the place to go in Maryland if you have an overwhelming illness that needs the most competent of care.'”

Stephen C. Schimpff, M.D.
Executive Vice President
University of Maryland

“It's a person-oriented building from the moment you step into the front entrance. We have a great school and great faculty but if we don't have great surroundings, we will not be able to recruit and retain the best students and teachers. The Gudelsky Building adds to the feeling that we're moving forward and not standing still.”

Donald E. Wilson, M.D., Dean,
University of Maryland School of Medicine

< Visitors lounge areas on each floor overlook the atrium.



THE HONOR ROLL

1994

You have many reasons to be proud of your association with the School of Medicine, Medical Alumni Association and the University of Maryland Medical System.

The measurable progress you read about in this publication throughout the year is the result of planning, managing, and experimenting. The principal driving force behind it all is our uncompromising dedication to excellence. *PS*

But that desire would falter without support and encouragement from you, our alumni and friends. The critique you offer causes us to reconsider and revise what we are doing. Your financial support prompts us to yet greater effort toward meeting your high expectations. And as we grow in status and reputation, all those associated with the institution share the aura that begins to surround it.

These pages acknowledge your indispensable participation.

PS On behalf of all of us who are benefiting from the positive developments here, we thank you.

THE 1807 CIRCLE

The 1807 Circle is a permanent recognition society for the highest level of donors to the University of Maryland School of Medicine, Medical Alumni Association, and the University of Maryland Medical System.

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THE HONOR ROLL

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The John Beale Davidge Alliance is a permanent recognition society for donors of \$10,000-\$49,999. Named for the founder and first dean of the School of Medicine, it is the oldest organization devoted to acknowledge the significant gifts of alumni and friends of the School of Medicine and the University of Maryland Medical System.

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The following alumni and friends contributed \$1,000 or more to the University of Maryland Medical Center between July 1, 1993 and June 30, 1994.

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for cash gifts made between July 1, 1993 and June 30, 1994

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Number of Donors: 2
% Participation: 20%
Total Contributions: \$600.00
Average Gift: \$300.00

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1927

Number of Donors: 1
% Participation: 6.6%
Total Contributions: \$50.00
Average Gift: \$50.00

Harold Wm. Eliason

1928

Number of Donors: 1
% Participation: 16%
Total Contributions: \$650.00
Average Gift: \$650.00

Bernard Friedman

1929

Number of Donors: 1
% Participation: 10%
Total Contributions: \$100.00
Average Gift: \$100.00

George H. Yeager

1930

Number of Donors: 4
% Participation: 25%
Total Contributions: \$300.00
Average Gift: \$75.00

Julius Goodman
Maxwell Hurston
Abraham Kremen
Morton L. Levin

1931

Number of Donors: 2
% Participation: 14.2%
Total Contributions: \$125.00
Average Gift: \$62.50

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Marvin L. Slate

1932

Number of Donors: 11
% Participation: 40.7%
Total Contributions: \$500.00
Average Gift: \$45.45

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W. Owen McMillan
John D. Moores
Marion B. Roberts
Stephen Rosenthal
Thomas Sewell Saunders
John E. Savage
George Silverton
Aaron C. Sollod

1933

Number of Donors: 6
% Participation: 31.5%
Total Contributions: \$525.00
Average Gift: \$87.50

Martin Becker
Frank A. Franklin
Ralph B. Garrison
Myron L. Kenler
Meyer G. Miller
Maurice H. Schneiman

1934

Number of Donors: 11
% Participation: 40.7%
Total Contributions: \$1,355.00
Average Gift: \$123.18

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Philip A. Insley, Sr.
Edward S. Kallins
Wesley J. Ketz
Reuben Leass
Manuel Levin
Max Needleman

1935

Number of Donors: 13
% Participation: 40.6%
Total Contributions: \$1,345.00
Average Gift: \$103.46

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John C. Hamrick
Lewis C. Herrold
Irving Klompus
Walter Lichtenberg
Charles B. Marek
DeArmond J. McHenry
Milton I. Robinson
Sol Rosen
Harold W. Rosenberg
Benjamin M. Stein
Everet H. Wood

1936

Number of Donors: 15
% Participation: 45.4%
Total Contributions: \$2,000.00
Average Gift: \$133.33

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Harry C. Bowie
Harold H. Burns
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Benjamin B. Moses
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Richard H. Pembroke, Jr.
Salvatore D. Pentecost
Carl Pigman
Morris H. Stern
Gibson J. Wells
Charles S. Yavelow

1937

Number of Donors: 25
% Participation: 61%
Total Contributions: \$6,045.00
Average Gift: \$241.80

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N. Edward Dorian
James Frenkil
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Henry W. Weiss
F. Dixon Whitworth
Jack H. Woodrow

1938

Number of Donors: 22
% Participation: 51.1%
Total Contributions: \$3,740.00
Average Gift: \$170.00

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1977 85
1969 80
1970 75
1973 74
1966 71
1976 71
1980 71

THE HONOR ROLL

1994

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Number of Donors: 19
% Participation: 57.5%
Total Contributions: \$3,290.00
Average Gift: \$173.16

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Harry M. Beck
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Samuel Rochberg
Joseph E. Schenthal
Claude P. Sherman
Herbert Spiegel
William J. Steger
John P. Urlock, Jr.
Sol Wilner

1940

Number of Donors: 30
% Participation: 60%
Total Contributions: \$5,295.23
Average Gift: \$176.51

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Edmund G. Beacham
Harold P. Biehl
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Irving V. Glick
Walter R. Graham
Albert Heyman
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William C. Livingood
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G. Roger Myers
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Ross Z. Pierpont
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Arthur E. Pollock
Leonard Posner
Conrad L. Richter
Carl E. Rothschild
Louis Haberer Tankin
William Trevor
William E. Weeks
Herman Williams
William I. Wolff

1941

Number of Donors: 30
% Participation: 58.8%
Total Contributions: \$3,770.00
Average Gift: \$125.67

Aurora F. Alberti
Fred Alexander
Charles P. Barnett
William R. Bundick
Pierson M. Checket
Carlos M. Chiques
Michael L. DeVincentis
Anthony DiPaula
Edward L. Frey, Jr.
Julius Gelber
Lorman L. Hoopes
James S. Hunter, Jr.
Vita R. Jaffe
Franklin E. Leslie
Raymond N. Malouf
Jacob B. Mandel
James J. Nolan
Joshua M. Perman
Walter J. Revell
Christian F. Richter
Jonas S. Rosenberg
Robert B. Sasscer
Pearl Huffman Scholz
Stanley Eugene Schwartz
Edwin L. Seigman
Edward P. Shannon
Raymond Kief Thompson
James H. Walker
Lester A. Wall, Jr.
John B. Wells

1942

Number of Donors: 26
% Participation: 60.4%
Total Contributions: \$2,650.00
Average Gift: \$101.92

Robert A. Barthel
Joseph G. Bird
Frank Concilus
Warren E. Crane
John R. Davis, Jr.
J. Howard Franz
Marion Friedman
Jose R. Fuertes
Morton L. Hammond
Albert Lester Ingram
Robert C. Irwin
Everett D. Jones
Theodore Kardash
Etta C. Leahy
Irving R. Lowitz
Malcolm T. McGoogan
Robert A. Moses
Patrick C. Phelan, Jr.
Edward Peyton Ritchings
Mary L. Scholl
William J. Senter

Francis J. Townsend
Joseph Wallace
Charles H. Williams
E. Andrew Zepp
Loy M. Zimmerman

1943M

Number of Donors: 26
% Participation: 49%
Total Contributions: \$16,295.00
Average Gift: \$626.73

Ramon I. Almodovar
Emory F. Baker
Ralph K. Brooks
Donald L. Courtney
Miguel S. Dalmau
Raymond Goldberg

1943D

Number of Donors: 18
% Participation: 33.9%
Total Contributions: \$2,990.00
Average Gift: \$166.11

Elizabeth Acton
Ruth W. Baldwin
Frederick B. Brandt
Henry T. Brobst
James MacKay Brown
W. N. Corpening
Alfred H. Dann
Augustus H. Frye, Jr.
J. Roy Guyther
Francis E. Hornbrook
C. V. Latimer, Jr.
Cliff Ratliff, Jr.

Patricia Dodd
James A. Doukas
W. Carl Ebeling, III
Thomas G. Elias
Robert W. Farkas
Wilbur H. Foard
Francis L. Grumbine
William W. Guthrie
Paul Garmer Herold
Charles F. Hebelmann
Helen A. Horn
H. James Lambert, Jr.
William A. Lampley
Philip H. Lerman
Stuart C. Levine
Donald W. Mintzer
Sarah Taylor Morrow
Charles F. O'Donnell
William W. Osborne
Carl N. Patterson
Champe C. Pool
Marjorie K. Pool
Michael R. Ramundo
E. Burl Randolph
Eugene J. Riley
Harry F. Rolfes
Albert I. Rubenstone
Edmond Scavone
Charles E. Shaw, Jr.
Stanley H. Steinberg
L. Bradford Thompson
John F. Ullsperger
Kenneth W. Wilkins
Mary Stuart Wilson-Tuggle
Stanley N. Yaffe

1945

Number of Donors: 36
% Participation: 62%
Total Contributions: \$10,980.00
Average Gift: \$305.00

Gayle Gardner Arnold
Frank J. Ayd, Jr.
Joseph W. Baggett
Claude F. Bailey
David H. Barker
David F. Bell, Jr.
Benjamin Berdann
Joseph H. Brannen
William K. Brendle
Leah R. Camp
Oscar B. Camp
Mary Dorcas Clark
Eugene H. Conner
Sarah Cook
John M. Dennis
Vincent deP. Fitzpatrick
William H. Frank
Austin E. Givens
Daniel O. Hammond
William A. Holbrook
A. P. Kelly, Jr.
Leonard Kurland

CLASSES WITH THE HIGHEST PERCENTAGE OF DONORS

1952 73.1%
1955 70.4%
1944 68.2%
1969 66.6%
1954 65.8%

Arthur M. Rinehart
Wm. B. Rogers
Irving Scherlis
Glenn O. Summerlin
Dharma Luz Vargas
David Reid Will

1944

Number of Donors: 43
% Participation: 68.2%
Total Contributions: \$14,075.00
Average Gift: \$327.33

J. A. Alvarez de Choudens
John M. Bloxom
Frank J. Brady
Warren D. Brill
Richard J. Brown
Charles E. Carr
Charles D. Chaput
Herbert B. Copeland

David B. Gray
Alvin H. Honigman
Richard Q. Lewis
J. C. Matchar
Nestor H. Mendez
Robert V. Minervini
Henry Musnick
Charles A. Neff
Frank S. Parrott
Enrique Perez-Santiago
Henry B. Perry, Jr.
Preston H. Peterson
Seymour Sacks
Nathaniel Sharp
John W. Sigler
James E. Stoner, Jr.
Irving J. Taylor
Jose M. Torres-Gomez
Robert B. Tunney
Robert E. Wise

THE HONOR ROLL

1994

Daniel B. Lemen
Henry F. Maguire
J. R. McNinch, Jr.
Allen J. O'Neill
S. Malone Parham
James H. Shell, Jr.
A. F. A. Stedem, Jr.
Stanley R. Steinbach
Winston L. Summerlin
John J. Tansey
Allan E. Trevaskis
Thomas E. Wheeler
O. P. Winslow, Jr.
Arthur F. Woodward

1946

Number of Donors: 43
% Participation: 57.3%
Total Contributions: \$9,340.00
Average Gift: \$217.21

Robert E. Bauer
Alfred D. Bonifant
Louise P. Buckner
William Francia Carr
Thomas W. Christopher
Sidney Clyman
Francis I. Codd
Thomas B. Connor
Guy K. Driggs
James L. Eavey
Joseph S. Fischer
Samuel D. Gaby
John R. Gamble
William D. Gentry
Abraham A. Goetz
Duane L. Greenfield
Henry C. Hardin, Jr.
Charles W. Hawkins
Charles A. Hefner
Harry E. Hill
J. Poulson Hunter
E. R. Jennings
Herbert J. Levickas
Allan H. Macht
Leonard T. Maholick
Raymond L. Markley, Jr.
Robert E. May
G. C. McElfattrick
Clarence E. McWilliams
John A. Mitchell
Jerome D. Nataro
Pomeroy Nichols, Jr.
John C. Rawlins
Milton Reisch
Robert A. Riley, Jr.
James A. Roberts
Robert C. Rossberg
Frank A. Shallenberger
David N. Silis, Jr.
Clinton W. Stallard
Irl Wentz
Walter M. Wolfe
Joseph B. Workman

1947

Number of Donors: 36
% Participation: 50.7%
Total Contributions: \$4,830.00
Average Gift: \$134.17

John O. Beatty
Raymond G. Berggreen
Joseph W. Blevins
John G. Brickner
Henry V. Chase
B. Stanley Cohen
Irvin H. Cohen
Elizabeth L. Coultas
Robert C. Duvall, Jr.
Williford Eppes
George W. Fisher
W. A. Gakenheimer
David K. Geddes
Louis W. Grossman
F. Robert Haase
Robert R. Hahn
Howard E. Hall
James F. Houghton
Bernard Leung
Norman Levin
Joseph F. Lipira
A. R. Mansberger
E. Anne D. Mattern
David L. Phillips
Jack H. Powell, Jr.
George C. Rasch
Joseph M. Rogers
Eugene P. Salvati
W. F. Schnitzker
John H. Shaw
Joseph Shear
William H. Stenstrom
James M. Trench
Sydney J. Venable
Robert C. Waltz
John P. White

1948

Number of Donors: 25
% Participation: 42.3%
Total Contributions: \$2,915.00
Average Gift: \$116.60

Andrew Alecce
Joseph L. Aponte
David H. Beyer
James Bisanar
Elizabeth McCauly Brumback
Robert E. Ensor
Leonard H. Golombek
Bowie L. Grant
John R. Hankins
Florence K. Hoback
William J. Holloway
M. C. Insley, Jr.
R. H. Kaufman
Carl H. Kennedy
Burton V. Matthews

J. Jay Platt
Albert M. Powell
William G. Sanford
Benson C. Schwartz
John R. Shell
Benjamin K. Silverman
Robert R. Stahl
Frank J. Theuerkauf, Jr.
Clark Whitehorn
John D. Wilson

1949

Number of Donors: 20
% Participation: 41.6%
Total Contributions: \$3,275.00
Average Gift: \$163.75

John Wm. Barnard
William P. Benjamin
C. Richard Fravel
Harry W. Gray
E. B. Middleton
Max J. Miller
Francis Neumayer
Merrill E. Parelhoff
C. Burns Roehrig
Albert B. Sarewitz
Nathan Schnaper
Margaret L. Sherrard
Meredith P. Smith
Elwin E. Stanfield
John F. Strahan
R. M. Tilley, Jr.
Gene D. Trettin
Robert G. Warnock
Carolyn D.W. Watson
Frank Y. Watson

1950

Number of Donors: 40
% Participation: 62.5%
Total Contributions: \$6,750.00
Average Gift: \$168.75

William A. Andersen
John L. Bacon
Jay L. Bisgyer
H. H. Bleecker, Jr.
Mary E.S. Bleecker
Raymond Bradshaw
Joseph B. Bronushas
Fred J. Burkey
L. Guy Chelton
Joseph Robert Cowen
Miriam S. Daly
Leonard L. Deitz
Frederick T. Edmunds
George H. Greenstein
Leonard G. Hamberry
John C. Healy
Stanley W. Henson, Jr.
Philip W. Heuman
Grace Hofsteter
Frank T. Kasik, Jr.

Thomas F. Lewis
G. William Martin, Jr.
Hunter S. Neal
Julio T. Noguera
Evangeline M. Poling
Louis F. Reynaud
Virginia M. Reynaud
Paul F. Richardson
O. Ralph Roth
Seymour H. Rubin
Frederic R. Simmons
Morton Smith
Henry H. Startzman
Robert T. Thibadeau
Albert L. Upton
Enrique A. Vicens
Fowler F. White
Clifford E. Wilson
Harriet H. Wooten
William H. Yeager

1951

Number of Donors: 37
% Participation: 55.2%
Total Contributions: \$6,390.00
Average Gift: \$172.70

Robert K. Arthur
Joseph Bilder Jr.
Raymond L. Clemmens
Solomon Cohen
Joseph Deckelbaum
Ernest A. Dettbarn
Winston C. Dudley
Charles K. Ferguson
Rowland E. Fullilove
Mario R. Garcia-Palmieri
Francis S. Gardner, Jr.
Nancy Blades Geiler
Benjamin D. Gordon
Dorris M. Harris
Frederick J. Hatem
David M. Kipnis
Harry L. Knipp
Howard C. Kramer
Jack Leibman
K. R. McGrady
Arthur Z. Mutter
Donald J. Myers
John S. Orth
Henry D. Perry
Eugene B. Rex
Georgia Reynolds
Aubrey D. Richardson
Marvin J. Rombro
Armando Saavedra
Roger D. Scott
William H. Shea
S. Norman Sherry
R. Kennedy Skipton
Richard B. Tobias
Homer L. Twigg, Jr.
Robert J. Venrose
H. P. Wheelwright

1952

Number of Donors: 60
% Participation: 73.1%
Total Contributions: \$10,690.00
Average Gift: \$178.17

C. B. Adams, Jr.
Charles G. Adkins
Richard E. Ahlquist
George C. Alderman
Daniel Bakal
Timothy D. Baker
James B. Brooks
John E. Carroll
Stuart P. Culpepper
Andrew J. Devlin
Andrew M. Diggs
A. J. DiGiovanni
Robert A. Douglas
William S. Dunford, Jr.
Lawrence D. Egbert
Lee W. Elgin, Jr.
Jack Fine
Louis A. Fritz
James R. Grabill
David E. Graham
C. Edward Graybeal
William R. Greco
Robert A. Grubb
William L. Heimer
Charles M. Holmes
Romulus V. Houck
Dewitt T. Hunter, Jr.
Laurel V. M. Hunter
Irvin Hyatt
Frank M. Kline
Joseph A. Knell
John M. Krager
Irving Kramer
Morton M. Krieger
Herbert W. Lapp
Charles H. Lightbody
William A. Mathews
J. Nelson McKay
Richard Y. Olsen
Benton B. Perry
William A. Pillsbury, Jr.
Gilberto Ramirez
Jonas R. Rapoport
David Rasmussen-Taxdal
Julian W. Reed
Malcolm L. Robbins
William D. Rosson
Bella F. Schimmel
John O. Sharrett
Richard A. Sindler
Aubrey C. Smoot, Jr.
Norton Spritz
Alvin A. Stambler
Belk C. Troutman
Scott P. Wallace
Bryan P. Warren, Jr.
John L. Waters

THE HONOR ROLL

1994

Howard N. Weeks
John R. Wilkinson
Donald A. Wolfel

1953

Number of Donors: 46
% Participation: 57.5%
Total Contributions: \$264,180.00
Average Gift: \$5,743.04

Louis C. Arp, Jr.
James L. Banks, Jr.
Grace A. Bastian
Scott B. Berkeley, Jr.
Robert Berkow
Samuel Blumenfeld
James E. Boggs
Joseph R. Bove
Thomas J. Burkart
Walter H. Byerly
Charles F. Carroll, Jr.
Donald S. Carter
John B. Cordington
Harry L. Eye
Hugh V. Firor
Leonard H. Flax
Sylvan Frieman
Joseph S. Garrison, III
George Gevas
J. P. Gillotte
John M. Hartman
John W. Heisse
Thomas F. Herbert
William L. Holder
Henry A. Jones, Jr.
Werner E. Kaese
William S. Kiser
Benjamin Lee
Herbert Leighton
Rafael Longo
A. Weems McFadden
J.W. Metcalf, Jr.
B. Martin Middleton
James E. Might
L. R. Miles, Jr.
George H. Miller
Joseph F. Palmisano
James L. Read
Joseph E. Shuman
Robert T. Singleton
W. H. Slasman, Jr.
William A. Way Tyson
Karl H. Weaver
Joel S. Webster
Harry S. Weeks
Israel H. Weiner

1954

Number of Donors: 56
% Participation: 65.8%
Total Contributions: \$15,110.00
Average Gift: \$269.82

Arthur Baitch

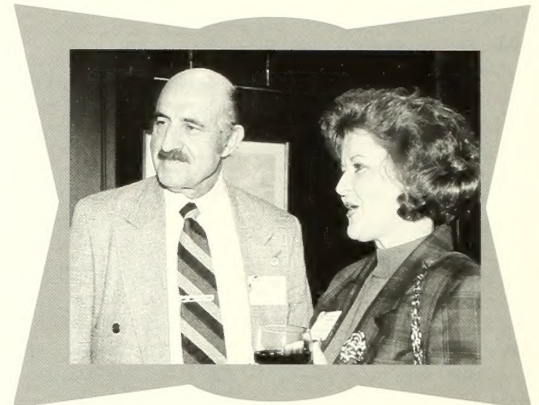
George Bauernschub
Anthony A. Bernardo
Edwin H. T. Besson
Herbert L. Blumenfeld
Stuart M. Brown
William F. Doran
Arthur G. Edwards
Morton J. Ellin
Miguel Perez-Azola
Theodore E. Evans
Charles T. Fitch
Norman Forrest
Daniel H. Framm
Malcolm F. Freed
George S. Fritz
Richard L. Fruth
Walter D. Gable
Louis M. Glick
Ralph S. Goldsmith
Charles J. Hammer
John F. Hartman
James W. Hayes
William M. Headley
Robert C. Holcombe
Thomas E. Hunt, Jr.
Richard A. Jones
Irvin B. Kaplan
Thomas E. Kiester
Edward S. Klohr, Jr.
Herbert J. Levin
Hilbert M. Levine
Charles Mawhinney
John J. McGonigle
Moses L. Nafzinger
Riva E. Novey
Jean M. C. O'Connor
David Owens
A. Gibson Packard
David H. Patten
Morris Rainess
Robert R. R. Roberts
Bernard R. Shochet
Marshall A. Simpson
Jean C. B. Smith
J. Walter Smyth
Thorlief L. Stangebye
James H. Teeter
H. Roger Trapnell
Ira N. Tublin
George Wall
Daniel I. Welliver
William A. Welton
Kenneth H. White, Jr.
William O. Wild
Robert E. Yim

1955

Number of Donors: 62
% Participation: 70.4%
Total Contributions: \$23,917.50
Average Gift: \$385.77

George K. Baer
James J. Ball

Robert M. Barnett
P. C. Brunschwyler
Foster L. Bullard
Neal C. Capel
Joseph W. Cavallaro
Roderick E. Charles
James M. Close
Roger W. Cole
Roger D. Cornell
Everard F. Cox
Thomas E. Davis
Donald H. Dembo
Henry A. Diederichs
William Dvorine
John A. Engers
Joseph C. Eshelman
George H. Friskey
John R. Gauld
Vernon M. Gelhaus
George T. Gilmore
Julian R. Goldberg
Marvin A. Goldiner
Gary S. Goshorn
Daniel B. Harris
Alvin W. Hecker
Henry Booth Higman
Walter N. Himmler
William Hollister, Jr.
Paul C. Hudson
James L. Hughes
Alfred E. Iwantsch
Walter E. James
Murray M. Kappelman
William P. Keefe
James T. Keegan
Louis E. Kimmel, Jr.
C. Ronald Koons
Morton D. Kramer
Violet S. Kron
William F. Krone
Robert G. Lancaster
Richard F. Leighton
John P. McGowan
David B. McIntyre
Leonard J. Morse
George N. Polis
Charles B. Pratt
Albert M. Sax
John E. Schanberger
Robert G. Shirey
Clovis M. Snyder
Alexander Spock
Phillip G. Staggers
Donald W. Stewart
Karl E. Sussman
Peter Thorpe
F. Richard Walton
Ann Marie Ward
C. Clark Welling
Herbert L. Yousem



Sylvan Frieman, '53, president of the Medical Alumni Association, and wife, May, established an endowed scholarship last year.

1956

Number of Donors: 51
% Participation: 59.3%
Total Contributions: \$11,350.00
Average Gift: \$222.55

John E. Adams
Robert T. Adkins
Henry A. Baer
Jerald H. Bennion
M. Larrie Blue
Richard A. Burningham
James A. Burwell
Robert J. Byrne
Theodore R. Carski
Ludwig J. Eglseeder
James T. Estes
Richard G. Farmer
Richard A. Finegold
Giraud V. Foster
Edward D. Frohlich
Robert N. Headley
Neil C. Henderson
Webb S. Hersperger
Ralph T. Hummel
Albert V. Kanner
J. Edward Kelly, Jr.
C. Herschel King
H. Coleman Kramer
Scheldon Kress
Louis J. Lancaster
Joseph G. Lanzi
Carl P. Laughlin
Mathew H. M. Lee
William A. Lemmert
John B. Littleton
Herbert M. Marton
Joseph S. McLaughlin
John F. Nowell
Clark Lamont Osteen
William M. Palmer

Marvin S. Platt
Richard L. Plumb
Irvin P. Pollack
G. Edward Reahl, Jr.
Harry P. Ross
Charles Sanislow
Gerald D. Schuster
Virginia T. Sherr
W. A. Sinton, Jr.
Paul V. Slater
George T. Smith
George A. Sowell
James J. Stovin
Edwin W. Whiteford, Jr.
John Z. Williams
Harry D. Wilson, Jr.

1957

Number of Donors: 47
% Participation: 59.4%
Total Contributions: \$16,195.39
Average Gift: \$344.58

Stuart J. Abrahams
Emil E. Aftandilian
Charles J. Allen
S. B. Baumgardner
James L. Beeby
Virginia Y. Blackledge
Paul Bormel
James K. Bouzoukis
Herbert E. Brooks
Donald L. Bucy
Mary C. Burchell
Anthony J. Calciano
Joseph O. Dean
Milton L. Engnoth
Marvin A. Feldstein
Vincent J. Fiocco
Mary L. Furth
Sebastian J. Gallo

THE HONOR ROLL

1994

Allan S. Gerber
Loretta A.K. Gilmore
A. F. Hammond, Jr.
Paul K. Hanashiro
Harold J. Hettelman
W. F. Holdefer
E. Louis Kahan
William F. Kennedy, Jr.
Leonard L. Kogan
David P. Largey
James P. Laster
George A. Lentz
Frederick Moomau
Paul A. Mullan
Herbert H. Nasdor
Francisco Oliveras
Charles R. Oppegard
Frederick W. Plugge, IV
Donald W. Rairigh
John J. Raleigh
William J. Rappoport
George W. Rever
Walter M. Shaw
Howard S. Siegel
K. F. Spence, Jr.
Landon Clarke Stout
Michael S. Trupp
Ray A. Wilson
Leonard M. Zullo

1958

Number of Donors: 48
% Participation: 64%
Total Contributions: \$13,477.00
Average Gift: \$280.77

John T. Alexander
James K. Aton
William G. Bartlett
George R. Baumgardner
Elliott M. Berg
Gerald E. Bloom
Stuart H. Brager
Gaylord Lee Clark
David A. Cope
Robert E. Cranley, Jr.
Bruce N. Curtis
Gilbert B. Cushner
Ronald L. Diener
Richard J. Erickson
Stanley N. Farb
Alfred A. Filar
Richard R. Flynn
Harvey L. Friedlander
Neil M. Goldberg
Sheldon Goldgeier
Barrett Goldstein
Frank P. Greene
Meredith S. Hale
John S. Harshy
Albert F. Heck
William J. Hicken
A. Clark Holmes
Richard H. Keller

Frank K. Kriz, Jr.
Howard S. Levin
Arthur Litofsky
Robert C. Macon
William J. Marshall
G. T. McInerney
Joseph A. Mead, Jr.
John J. Merendino
Ernest E. Moore
Ayland Ottinger
Charles E. Parker
A. Perez-Santiago
Michael D. Potash
Maurice M. Reeder
Lewis H. Richmond
Charles Silberstein
Jerome Tilles
James H. Tyer
William T. Ward
Richard L. Wolfe

1959

Number of Donors: 37
% Participation: 49.3%
Total Contributions: \$14,370.00
Average Gift: \$388.38

Gerson Asrael
Fred D. Brown
William N. Cohen
John W. Coursey
Joseph L. Darr
William J. R. Dunseath
James P. Durkan
W. F. Falls, Jr.
Karl M. Green
Franklin A. Hanauer
Roger B. Ingham
James P. Jarboe
Jorge O. Just
August D. King, Jr.
Marvin M. Kirsh
Richard C. Lang
Donald R. Lewis
Jack C. Lewis
Elmer S. McKay
Don R. McWilliams
Jose Oscar Morales
Morton M. Mower
Nicholas A. Pace
Jose A. Pereyo
Arthur L. Poffenbarger
William E. Rhea
Ramon F. Roig, Jr.
Howard J. Rubenstein
C. Edmund Rybczynski
Daniel S. Sax
Stanley S. Schocket

Arthur A. Serpick
Stanley N. Snyder
Beverly J. Stump
Robert J. Thomas
Hans R. Wilhelmssen
Robert H. Young, Jr.

1960

Number of Donors: 51
% Participation: 65.3%
Total Contributions: \$32,995.00
Average Gift: \$646.96

A. C. Alevizatos
Lawrence F. Awalt
John J. Bennett
Arnold Brenner
Jeremy V. Cooke
Louis M. Damiano
Paul A. DeVore
Straty H. Economon
Julio E. Figueroa
Alvin Glass
John D. Hensala
C. Earl Hill
Lawrence F. Honick
Herbert H. James
Charles R. Kesmodel
Ronald E. Keyser
James C. King
J. Ward Kurad
Philip M. LaMastra
Richard C. Lavy
Walter C. Lesky
Herbert A. Martello
Paul D. Meyer
Damon F. Mills
John C. Morton
Allen R. Myers
Jerrod Normanly
Fortune Odendhal, IV
Selvin Passen
Morton I. Rapoport
Jerome M. Reed
Neil A. Robinson
Clinton L. Rogers
Jerome Ross
Jerry Salan
Robert P. Sarni
Elijah Saunders
Bernice Sigman
Emanuel H. Silverstein
George I. Smith, Jr.
Morton E. Smith
W. E. Standiford
Martha E. Stauffer
Nathan Stofberg
Michael S. Tenner
Theodore F. Toulan
Harold Tritch
Charles B. Volcjak
James A. Yates
Donald L. Young
Theodore Zanker

1961

Number of Donors: 41
% Participation: 50%
Total Contributions: \$11,957.17
Average Gift: \$291.64

James R. Appleton
Neil R. Arbegast
George E. Bandy
Carl F. Berner
Oscar H. L. Bing
M. Barry Blum
Anthony R. Boccuti
Thomas G. Breslin
J. N. Brouillette
John N. Browell, Jr.
Milton H. Buschman
Ronald L. Cain
F. A. Clark, Jr.
Maurice M. Davidson
William H. Dudney
W. R. Fleming, Jr.
Carlos E. Girod
Jay S. Goodman
Ronald L. Gutberlet
Robert L. Heymann
Gerald A. Hofkin
Richard G. Holz
Nina Vann Jeanes
Gerald C. Kempthorne
Ronald L. Krome
John P. Light
David E. Litrenta
Robert E. Ludicke
John R. Marsh
James F. McCarter
Roger Lee Mehl
Robert J. Myerburg
Michael B. Oldstone

Rodney L. Ortel
L. J. Pazourek
Kenneth E. Rasmussen
Paul A. Reeder, Jr.
David L. Rosen
Richard M. Sarles
Richard F. Schillaci
Larry G. Tilley

1962

Number of Donors: 48
% Participation: 54.5%
Total Contributions: \$10,680.00
Average Gift: \$222.50

Raymond D. Bahr
J. Fred Baker
C. Gottfried Baumann
Merrill I. Berman
Robert B. Bokar
Mark Edmund Bradley
Louis C. Breschi
Bruce D. Broughton
Francis J. Burke
Louis R. Caplan
Jon B. Closson
Alan Bernard Cohen
Hammond J. Dugan
Paul G. Ensor
Frederick S. Felser
Carmen A. Fratto
Herbert Gaither
I. F. Hawkins, Jr.
Colen C. Heinritz
William T. Johnstone
Bernard S. Karpers
Mayer M. Katz
S. A. Klatsky
E. J. Koenigsberg
Paul A. Kohlhepp
Alan B. Lachman

CLASSES WITH THE MOST JBDA MEMBERS

1973 9
1975 9
1955 8
1960 8
1959 6

THE HONOR ROLL

1994

David M. Lanphear
Bruce A. Lindberg
Alfred S. C. Ling
Lois H. Love
E. R. Luxenberg
Kenneth P. Malan
Robert A. McCormick
Thomas Moshang, Jr.
Theodore C. Patterson
Donald David Pet
Phyllis K. Pullen
John A. Rupke
George C. Schmieler
Gregory J. Sophocleus
W. H. Sothoron, Jr.
Osmar P. Steinwald
R. R. Stephenson
Arthur W. Traum
Kenneth W. Tuttle
William B. Weglicki, Jr.
Edward F. Wilgis
William H. Wood, Jr.

1963

Number of Donors: 36
% Participation: 42.8%
Total Contributions: \$6,220.00
Average Gift: \$172.78

Barry R. Adels
Robert M. Beazley
Lee David Brauer
Harold J. Campbell
Nijole B. Carozza
Stephen P. Cohen
J. Michael Coyne
Robert E. Dinker
John P. Doerfer
Peter C. Fuchs
Leland M. Garrison
B. Robert Giangrandi
Donald H. Gilden
Alice B. Heisler
William H. Howard
Thomas V. Inglesby
Philip A. Insley, Jr.
Arnold J. Jules
Paul F. Kaminski
William A. King
Carleton J. Lindgren
Eric E. Lindstrom
Charles R. Mock
Janet E. Mules
H. Gerald Oster
H. Padilla-Ramirez
Stuart A. Perkal
John K. Petrakis
Neal J. Prendergast
Horace T. Ray, Jr.
Mayer Schwartz
Mitchell C. Sollod
Frank J. Travisano
Edward C. Werner
Joseph R. Wilson
Aron Wolf

1964

Number of Donors: 48
% Participation: 59.2%
Total Contributions: \$9,282.50
Average Gift: \$193.39

Sigmund A. Amitin
Michael N. Ashman
P. Miller Ashman
L. Bradley Baker
Larry Becker
Rima L. Brauer
Barry M. Cohen
Miriam L. Cohen
Gustavo A. Colon
Dominic A. Culotta
William G. Cushard, Jr.
David A. Dayton
Donald A. Deinlein
Frank M. Detorie
Salvatore R. Donohue
Robert L. Doyle
Ellen Ann Duer
Robert L. Gingell
Marvin N. Goldstein
Albert M. Gordon
Lee E. Gresser
I. Frank Hartman
Paul C. Hiley
Matthew L. Kaufman
Richard J. Kelly
Mark E. Krugman
Charles Dudley Lee
Donald T. Lewers
D. V. Lindenstruth
Ruth E. Luddy
Edgar V. McGinley
M. S. Michaelis
Joel S. Mindel
Samuel Muher
Raphael C. Myers, Jr.
Jacob David Nagel
David M. Nichols, Jr.
Thomas J. Porter
Jose D. Quinones
Charles E. Reckson
Jerome P. Reichmister
E. Lee Robbins
Barry N. Rosenbaum
Perry S. Shelton
Richard G. Shugarman
Lawrence F. Solomon
Harold C. Standiford
Jonathan D. Tuerk

1965

Number of Donors: 44
% Participation: 51.7%
Total Contributions: \$11,925.00
Average Gift: \$271.02

John H. Axley, Jr.
Brian J. Baldwin
Donald Gary Benfield
Stanley L. Blum

Harry J. Brown
Jeffrey L. Brown
William H. Choate
Larry C. Chong
John C. Dumler
P. Hudson Fesche
Stanley Friedler
Ronald Goldner
Stanley Goldsmith
William M. Gould
R. L. Handwerker
David R. Harris
Charles S. Harrison
Frederick S. Herold
Gustavo M. Himelfarb
John C. Hisley
Edward S. Hoffman
B. Johnson-Bourland
Allen H. Judman
F. R. Lewis, Jr.
Susan H. Mather
John W. Maun
C. R. Mendez-Bryan
Louis O. Olsen
Jeffrey E. Poiley
Alfred B. Rosenstein
Henry A. Saiontz
S. L. Sattenspiel
Earl S. Shope
William Signor, III
Larry A. Snyder
M. P. Stasiowski
Louis E. Steinberg
Harry Tabor
Phillip P. Toskes
Richard W. Virgilio
Philip Joseph Whelan
Robert N. Whitlock
Ann R. Wilke-Stewart
Thomas W. Wingfield

1966

Number of Donors: 71
% Participation: 65.1%
Total Contributions: \$20,405.00
Average Gift: \$287.39

Leslie Abramowitz
Diane L. K. Acker
James E. Arnold
Jay M. Barrash
Arnold S. Blaustein
Walter M. Braunohler
W. J. Brownlow, Jr.
Michael P. Buchness
Harold A. Burnham
Charles H. Classen
Henry S. Crist
Philip B. Dvoskin
Michael A. Ellis
William D. Ertag
Stuart L. Fine
Richard L. Flax
Dwight N. Fortier

J. M. France, Jr.
George E. Gallahorn
S. Bruce Gerber
Richard S. Glass
Augustin K. Gombart
Stephen F. Gordon
John G. Green
Dean H. Griffin
Stephen B. Hameroff
I. Rivers Hanson
William O. Harrison
J. M. Hawkins, Jr.
Thomas M. Hill
Elizabeth C. Hosick
Larry T. Ingle
Franklin L. Johnson
Ronald H. Koenig
Joel A. Krackow
Robert E. Leibowitz
Stephen Machiz
Joseph B. Marcus
William J. Marek
William T. Mason
Carl A. Mattsson
Jane C. McCaffrey
Allan J. Monfried
Barry E. L. Ominsky
Carl J. Orfuss
Carolyn J. Pass
George S. Patrick
Gary D. Plotnick
C. Downey Price
James A. Quinlan
Col. Dudley Allen Raine, Jr.
Nina C. Rawlings
Ernesto Rivera
Sandra Zucker Salan
Alfred A. Serritella
Richard D. Shuger
Donald J. Siple
Kurt P. Sligar
Irvin M. Sopher
James W. Spence
John E. Steers
David J. Steinbauer
Jack I. Stern
Jeffrey S. Stier
Robert A. Stram
Richard M. Susel
Beresford M. Swan
Robert R. Young
Stuart H. Yuspa
Andrew A. Zalewski
James G. Zimmerly

1967

Number of Donors: 61
% Participation: 58%
Total Contributions: \$14,045.00
Average Gift: \$230.25

Anonymous
Elizabeth A. Abel
Stephen M. Adalman

William J. Banfield
John A. Bigbee
William F. Bloom
William L. Boddie
Donald S. Bright
Colvin C. Carter
Edward R. Cohen
Gerard D. Dobrzycki
Perry A. Eagle
Gordon H. Earles
Harris J. Feldman
Larry B. Feldman
Henry Feuer
Eric M. Fine
Robert O. France
Martin I. Freed
John Wm. Gareis
Joseph S. Gimbel
Joel H. Goffman
Jose R. Gracia
David M. Hadden
James L. Hamby
Robert W. Hertzog
J. J. Houston, III
Arthur L. Hughes
John S. Ignatowski
P. Dickson Jones
Michael A. Kaliner
Elisabeth E. Kandel
Eugene F. Kester
James G. Konrad
George A. Lapes
Gary M. Lattin
Stuart H. Lessans
Richard H. Mack
Louis W. Miller
Alan H. Mitnick
Donald E. Novicki
Thomas J. O'Donnell, Jr.
Joseph C. Orlando
Edward B. Ostroff
Jean Posner-Gordon
Ralph D. Raymond
John F. Rogers
Howard R. Rosen
John R. Rowell
John C. Sewell
Michael L. Sherman
Zellman D. Skloven
David M. Snyder
Robert A. Sofferman
John R. Stephens
Kenneth B. Stern
Lawrence M. Tierney, Jr.
Donald B. Vogel
Larry J. Warner
Allan M. Wexler
Frank J. Zorick

THE HONOR ROLL

1994

1968

Number of Donors: 67
% Participation: 58.2%
Total Contributions: \$19,340.00
Average Gift: \$288.66

Samuel B. Allison
 Willard P. Amoss
 Charles R. Beamon, Jr.
 Sheldon B. Bearman
 Barry A. Blum
 Morton B. Blumberg
 Robert Brull
 R. S. Buddington
 Joseph F. Callaghan, Jr.
 Joel M. Cherry
 Todd D. Clopper
 Albert L. Daw
 Allen C. Egloff
 Gerald B. Feldman
 Howard Ronald Friedman

John G. Frizzera
 Sidney R. Gehlert
 John D. Gelin
 Ronald S. Glick
 William N. Goldstein
 Barry S. Handwerker
 Melvin H. Herman, Jr.
 Stephen L. Hooper
 George F. Hyman
 James G. Kane
 George M. Knefely, Jr.
 Frederick E. Knowles
 Frank A. Kulik
 Barry A. Lazarus
 Ronald M. Legum
 Gordon L. Levin
 Abraham A. Litt
 Philip Littman
 Stanford H. Malinow
 Steven F. Manekin
 Karl F. Mech, Jr.
 H. E. Mendelsohn
 Anthony L. Merlis
 Kathryn A. Mikesell-Hornbein
 Bruce L. Miller
 Bert F. Morton
 A. Curtis Nordgren
 Carl G. Quillen
 Merchline M. Riddlesberger
 David J. Riley
 Norbert H. Roehl
 Stephen D. Rosenbaum
 Robert J. Rosensteel, Jr.
 Charles S. Samorodin
 Barry J. Schlossberg
 Howard Semins
 Ethel A. B. Siegal
 Stuart H. Spielman

John D. Stafford
 Alice S. Tannenbaum
 Elizabeth A. Turner
 Jon M. Valigorsky
 Edward E. Volcjak
 James J. Welsh
 Michael F. Whitworth
 Robert S. Widmeyer, II
 Robert T. Williams
 Eugene Willis, Jr.
 Stuart Winakur
 Irving D. Wolfe
 Kenneth M. Woodrow
 Edward J. Young

1969

Number of Donors: 80
% Participation: 66.6%
Total Contributions: \$41,210.00
Average Gift: \$515.13

Mark M. Applefeld
 Edward E. Aston, IV
 Donald M. Baldwin
 J. O. Ballard, III
 Emile A. Bendit
 Barry B. Bercu
 Sanders H. Berk
 John C. Blasko
 Constance L. Boyer
 Roberta M. Braun
 George R. Brown
 Douglas A. Brownell
 Stanley Brull
 Donald Wm. Bryan
 Howard S. Caplan
 Edward A. Carter
 Vaughn D. Cohan
 Paul J. Connors
 Jay S. Copeland
 George A. Crawford
 Leonard D. Cutler
 Howard A. Davidov
 John A. Eaddy
 Howard S. Faden
 Richard E. Fisher
 Daniel Freedenburg, Jr.
 Barry H. Friedman
 Donna L. Gibbs
 Graham Gilmer, III
 Samuel D. Goldberg
 Roy R. Goodman
 Marvin J. Gordon
 Robert A. Helsel
 Arnold Herskovic
 Thomas M. Herskovic
 Daniel M. Howell
 Anne S. Jacques
 William D. Kaplan
 Mark D. Kappelman
 Reynold M. Karr, Jr.
 Ronald A. Katz
 Felix L. Kaufman
 Edward J. Kosnik

M. L. Margolis
 C. W. McCluggage
 John R. McCormick
 Michael E. McCutcheon
 Arthur V. Milholland
 Edwin E. Mohler
 O. Lee Mullis
 Robert Nadol
 Ronald R. Parks
 Wayne H. Parris
 Malcolm D. Paul
 Frederick N. Pearson
 Donald M. Pfeifer
 James S. Potyka
 E. F. Quinn, III
 Leon Reinstein
 David R. Richmond
 Allan I. Rubin
 Jeffrey D. Sabloff
 Brian S. Saunders
 Ronald L. Schneider
 W. Winslow Schrank
 Alan J. Segal
 John W. Shaffer
 David M. Shobin
 K. F. Skitarellic
 William I. Smulyan
 David H. Snyder
 David A. Solomon
 Tracy N. Spencer
 Kristin Stueber
 Mark S. Sugar
 Lois Turnbaugh
 Paul B. Voelkel
 Haven N. Wall, Jr.
 David A. Wike
 John W. Wilson

1970

Number of Donors: 75
% Participation: 60.9%
Total Contributions: \$19,571.55
Average Gift: \$260.95

Willie A. Andersen
 Arthur O. Anderson
 Harry A. Ardolino
 Jerome D. Aronowitz
 George L. Austin
 Alva S. Baker
 Francis A. Bartek
 David H. Berkeley
 David H. Berman
 Charles N. Bookoff
 Martin Braun
 Henry A. Briele
 Edward H. Cahill
 Leo A. Courtney, III
 Dwight E. Cramer
 Joseph H. Cunningham, Jr.
 Donald D. Douglas
 Robert N. Egbert
 Ralph B. Epstein
 Gary P. Fisher

Joseph N. Friend
 Michael A. Grasso
 Stephen B. Greenberg
 W. D. Hakkarinen
 Louis S. Halikman
 William M. Hart, Jr.
 Meyer Reuben Heyman
 Howard M. Hirsch
 Lin H. Ho
 Whitney Houghton
 Dennis J. Hurwitz
 Howard R. Kanner
 Robert S. Katz
 Michael Kilham
 Thomas F. Kline
 Jerome Koepfel
 Richard J. Kolker
 James A. Kopper
 John F. Kressler
 Bennett L. Lavenstein
 Donald L. Leass
 Mark B. Levinson
 Henry A. Lewis
 Kenneth C. Marburg
 C. B. Marek, Jr.
 Daniel R. McCready
 Joseph P. Michalski
 Thomas P. Miles
 Lawrence Mills, Jr.
 P. David Myerowitz
 Juan M. Pardo
 David A. Perry
 Leslie P. Plotnick
 John H. Poehlman
 R. B. Pollard, Jr.
 David B. Posner
 Edward J. Probst
 Gerald M. Rehert
 George C. Samaras
 Robert F. Sarlin
 Herbert J. Schulten
 Louis A. Shpritz
 Martin J. Shuman
 Gregory T. Sobczak
 Ronald J. Stanfield
 Alan Z. Steinberg
 David Tapper
 Norman W. Taylor
 Stanley S. Tseng
 William A. Warren
 Arthur M. Warwick
 Charles I. Weiner
 Robert I. White
 S. M. Zaborowski
 Norman L. Zeller

1971

Number of Donors: 52
% Participation: 42.2%
Total Contributions: \$8,825.00
Average Gift: \$169.71

Thomas R. Allan
 Peter W. Beall

Brian M. Benson, Jr.
 Lawrence Blumberg
 Anthony J. Bollino
 Elliott S. H. Bondi
 William H. Bouchelle
 James C. Bozzuto
 Robert L. Brenner
 George H. Brouillet
 Ronald P. Byank
 Michael R. Camp
 Charles R. Chaney
 Sachiko T. Cochran
 Daniel L. Cohen
 Larry I. Corman
 Steven A. Feig
 Maury L. Fradkin
 Louis G. Gelrud
 Robert B. Greifinger
 Gary A. Grosart
 J. J. Haggerty, Jr.
 William F. Harper
 Peter M. Hartmann
 Jerry Herbst
 Ivanhoe B. Higgins, Jr.
 Ben Tsun-Lin Ho
 C. F. Hobelmann, Jr.
 Gwynne L. Horwitz
 T. N. Jarrell, III
 Sherman Kahan
 Richard C. Keown
 John B. Kramer
 E. W. Lampton, Jr.
 Robert B. Lehman
 W. R. Linthicum
 Jack S. Lissauer
 Michael J. Maloney
 Michael L. Mattern
 David L. McCann
 R. M. Mentzer
 James E. Mouldsdale
 Donald M. Rocklin
 Paul T. Rogers
 JoAnn C. C. Santos
 Michael J. Schultz
 Robert E. Sharrock
 Panayiotis L. Sitaras
 Marshall K. Steele, III
 Janee D. Steinberg
 Robert H. Weinfeld
 C. T. Woolsey, Jr.

1972

Number of Donors: 65
% Participation: 48.1%
Total Contributions: \$10,542.50
Average Gift: \$162.19

Robert J. Bauer
 James H. Biddison
 Lucas J. Blanco
 John W. Blotzer
 William K. Bott
 Deborah J. Brandchaft-Matro

THE HONOR ROLL

1994

Cary D. Brown
Elizabeth R. Brown
Neil F. Cannon
Howard N. Caplan
Marc L. Chaiken
Casper E. Cline, III
Wayne L. Crowder
Theodore H. Cryer
William B. Davidson
Thomas Devlin
Judith M. Dischel
Carl T. Folkemer
Karen S. Fountain
Darryl J. Garfinkel
Matthew J. Gibney
Sheila S. Gibney
Michael E. Golembieski
Sumner H. Goodman
Roger L. Gordon
Robert B. Grossman
Nelson H. Hendler
Joseph K. Jamaris
Neil B. Kappelman
Richard B. Kline
Mark J. LeVine
Paul D. Light
Stanley A. Morrison
Joseph D. Moser
Thomas E. Murphy, Jr.
Conrad E. Nagle
John A. Niziol
Michael J. Ossi
M. R. Petriella
William E. Randall, Jr.
Kenneth L. Robertson
Newton W. Rogers
Martin S. Rosenthal
Charles J. Schleupner
Philip J. Schroeder
Henry T. Shenfield
Richard H. Sherman
Michael J. Sindler
Gerard V. Smith
H. Hershey Sollod
Eugene J. Strasser
Thomas J. Toner, Jr.
Peter D. Vash
Dean L. Vassar
Alexander L. Vigh
Jerald P. Waldman
Eliot M. Wallack
John R. Warfield
Howard J. Weinstein
Thomas V. Whitten
Brian J. Winter
Barry M. Wolk
Celeste L. Woodward
Raymond K. Wright, Jr.
Rosario A. Zappulla

1973

Number of Donors: 74
% Participation: 56.9%
Total Contributions: \$15,945.00
Average Gift: \$215.47

James D. Abbott
Bruce L. Beck
Jeffrey C. Blum
Thomas Calame
J. A. Ciotola, Jr.
Charles R. Clark
W. Edwin Conner
Edwin A. Deitch
Gregory A. Denari
Michael J. Dodd
Steven H. Dolinsky
Raymond D. Drapkin
Edward M. Eisenbrey
Jean M. Eisenbrey
Charles Gregory Elliott
Candace J. Erickson
George R. Failing, Jr.
Alan R. Figelman
William R. Gaver
Nelson H. Goldberg
David A. Goldscher
Lee A. Goodman
David J. Greifinger
Steven J. Gross
Daniel C. Hardesty
Louis E. Harman, III
David E. Herman
William S. Hood
Mark Jacobs
Joseph D. Jenci
Murray A. Kalish
Erich Kim
James E. Kirby
Walter B. Koppel
William A. Landes
Merric D. Landy
Tom Lapsa
Stephen K. Lemon
Jeffrey S. Lobel
Denis Wm. MacDonald
Samuel V. Mace
Martin Y. Magram
Thomas E. Mansfield
A. Robert Masten
Elizabeth Feeney-Masten
Clarence D. Miller
Mark P. Miller
Morton C. Orman
Constantine J. Padussis, Jr.
Bruce Reichert
Margaret B. Rennels
Donald J. Russ
Alfred J. Saah
Howard I. Saiontz
Carmelo A. Saraceno
Peter L. Schildhouse
Ronald A. Seff
Gregory B. Shankman

Gary M. Shapiro
David S. Shear
Ronald F. Sher
Barbara W. Siskind
Gerald P. Sterner
Robert B. Stifler
Ira M. Stone
Ronald J. Taylor
T. S. Templeton, II
Allan J. Wagman
Charles B. Watson
Richard M. Weisman
John L. Whitlock
Alan L. Whitney
Frances Q. Wong
Douglas B. Woodruff

1974

Number of Donors: 58
% Participation: 43.2%
Total Contributions: \$11,326.00
Average Gift: \$195.28

Charles P. Adamo
Lynn M. Billingsley
Richard A. Block
Alan L. Carroll
R. P. Christianson
Lisa B. Dixon
Thomas C. Doerner
Timothy H. Eskridge
Stephen B. Fleishman
Daniel K. Foss
Alan E. Gober
William L. Gonzalez
Robert M. Guthrie
James F. Hatch
Charles B. Hatton
Michael H. Hotchkiss
Leroy J. Huffman
Jay R. Jackson
Charles M. Jaffe
Robert D. Katz
James P. Keogh
Laslo E. Kolta
Carole S. Kornreich
Celia A. Kramer
Howard G. Lanham
Merril B. Lewis
Bruce G. Lowman
Manual A. Machiran
Stephen R. Matz
Terrance P. McHugh
James Jay McMillen
Stephen E. Metzner
Joel B. Miller
Sheldon D. Milner
Thomas M. Milroy
Susan R. Panny
Jeffrey Pargament
Edward L. Perl
Jay A. Phillips
Clayton L. Raab
Bruce L. Regan

June K. Robinson
Susan Kosnik Ross
Harvey N. Schonwald
Edward N. Sherman
Madelyn J. Siegel
LTC R. Solenberger
Harry S. Stevens
Ernest G. Szechenyi
Elise W. Van der Jagt
Rolando G. Vieta
Steven A. Vogel
Emerson C. Walden, Jr.
W. R. Weisburger
M. H. Wojtanowski
Stephen N. Xenakis
Allen C. Zechow
David L. Zisow

1975

Number of Donors: 67
% Participation: 51.1%
Total Contributions: \$17,675.00
Average Gift: \$263.81

Anonymous
Charles E. Andrews
Fred C. Ashman
James L. Atkins
Mark S. Austerlitz
Linda S. Bartram
Bruce E. Beacham
Howard H. Bond
Jonathan D. Book
James J. Campbell
John H. Carrill
Noel M. Chiantella
Seth B. Cutler
Karl W. Diehn
L. Thomas Divilio
Albert H. Dudley, III
James R. Evans
Patricia R. Falcao
Louis Fox
James G. Gamble
Gary F. Harne
Albin W. Harris
Darvin L. Hege
Malcolm S. Henoch
Charles F. Hoesch
Donald S. Horner
Kenneth V. Iserson
Glen E. Johnson
M. C. Kowalewski
Thomas F. Krajewski
Marc S. Kramer
Dennis J. Kutzer
Richard W. Little
Thom E. Lobe
Frank E. Long
Charles E. Manner
Scott M. McCloskey
Jeffrey L. Metzner
Edward M. Miller
Thomas L. Moffatt

Parry A. Moore
Edward L. Morris
David R. Moseman
Kathryn A. Peroutka
Louis E. Perraut, Jr.
Jeffrey L. Quartner
Sandra D. L. Quartner
Steven P. Rivers
Robert E. Roby
John W. Rose
Andrew B. Rudo
Gary B. Ruppert
Deborah J. Schuhmann
James H. Somerville
Paul G. Spottswood
Michael B. Stewart
George A. Taler
Richard L. Taylor
Trudy E. Termini
Lloyd M. Van Lunen, Jr.
Robert A. Vegors
Gary J. Waxman
Michael E. Weinblatt
Robert S. Willig
John L. Young
Julius D. Zant
W. H. Zeidler, Jr.

1976

Number of Donors: 71
% Participation: 45.8%
Total Contributions: \$17,065.00
Average Gift: \$240.35

Timothy E. Bainum
Leonard P. Baker
Christopher E. Bald
Steven M. Berlin
Damian E. Birchess
Lawrence F. Blob
Mark E. Bohlman
John W. Bowie
Janet F. Brown
William G. Brown
Peter C. Cary
Jonathan E. Cooper
Michael E. Cox
Jeffrey M. Davis
Anne P. W. Denham
Phillip M. Dennis
Edward F. Driscoll
Francis C. Drury
Christopher Feifarek
William G. Flowers
Dennis S. Ginsberg
Lenita N. Gorrell
Edwin M. Grollman
Ira E. Hantman
Walter R. Hepner, III
Michael C. Hoffman
Gary M. Jacobs
Patricia D. Kellogg
Jacqueline Kelly
Gurudarshan S. Khalsa

THE HONOR ROLL

1994

Bradford A. Kleinman
Harry Clarke Knipp
David L. Kreisberg
Albin O. Kuhn, II
John G. Lavin
Dennis W. Lennox
Barry E. Levy
Geoffrey B. Liss
Dorothy K. MacFarlane
Lani Smith Majer
James E. Mark
Robert D. Mathieson
Arnold B. Merin
Stanley G. Middleton
Michael S. Miller
Richard P. Moser
W. Bruce Obenshain
Murray D. Pearlman
Gary P. Posner
William F. Ruppel
Charles N. Schoenfeld
Melvin Sharoky
Sharon D. Sibert
Bruce A. Silver
Gary L. Simon
Lee S. Simon
Boyd J. Slomoff
Jay C. Starling
Ronald J. Sweren
Joseph R. Tiralla
John H. Verhulst
Barry S. Walters
George H. Wathen
Norden Miles Weingarten
James W. Wheatly
Susan M. Willard
Pamela A. Wilson
Bruce C. Winnacott
Miriam M. Yudkoff
Arno L. Zaritsky
Joseph W. Zebley

1977

Number of Donors: 85
% Participation: 51.2%
Total Contributions: \$12,416.00
Average Gift: \$146.07

Katherine Ackerman
Jonathan N. Bass
Stuart B. Bell
Ronald S. Benson
Joseph L. Braun
Marc S. Bresler
David E. Bright
Elwood A. Cobey
Howard Marc Cushner
George W. Duncan
Stephen K. Dyal
Willarda V. Edwards
Rona B. Eisen
Harry S. Etter, Jr.
Frederic T. Farra
James Feld

Richard J. Feldman
Robert T. Fisher
Donna L. Frankel
Samuel D. Friedel
Jacqueline C. Fulton
Linda L. George
Gregory R. Gibbens
Anne C. Goldberg
Neil D. Goldberg
Gerald Goldstein
Charles R. Graham
Nathaniel G. Hagler
K. H. Hanger, Jr.
Marlene T. Hayman
Howard C. Hines
Dalia R. Hirsch
Brooks F. Hodnette
Christopher F. James
Curtis A. Johnston
Ronald L. Kahn
Ronald J. Kendig
Ita M. Kileen
Martin Koller
Philip H. Lavine
Sheldon H. Lerman
S. D. Lincoln
Edgar Jonathon Lisansky
Robert A. Loeb
Eva Magiros
William G. Martin
Judith A. Maslar
Ellis Mez
John P. Miller, III
John S. Minkowski
Edward B. Mishner
Coleman A. Mosley
James C. Murphy
Paul A. Offit
Lee R. Pennington
Gerald P. Perman
Michael C. Pistole
Calvin E. Plitt
A. Antonio Plucis-Turkopolu
Terrence L. Posluszny
Susan L. Reimer
Garry D. Ruben
Michael N. Rubinstein
John T. Salkeld
Louis L. Schimel
Robert H. Seamon
Henry L. Sherwood, III
Richard B. Silver
Bruce H. Sindler
Dennis M. Smith
Robert L. Smith
Steven G. Steinberg
Clyde A. Strang
David Strobel
Raymond C. Talucci
David D. Tinker
Michelle D. Uhl
Jonathan R. Walburn
Robert E. Weiss
Bennett E. Werner

Katherine C. White
Barry A. Wohl
Richard J. Zangara
Stephen M. Zemel
Stuart A. Zipper

1978

Number of Donors: 66
% Participation: 37.7%
Total Contributions: \$15,095.50
Average Gift: \$228.72

Susanne S. Ashton
G. Howard Bathon
Joan M. Bathon
Jeffrey S. Bender
Charles Wm. Bennett
Steven Billet
Edward N. Bodurian
Howard Boltansky
Douglas F. Bowman, Jr.
Philip R. Bowman
David A. Bryan
Amy J. Byer
Dale B. Call
Ira J. Kalis Cohen
Louis J. Domenici
Jonathan A. Edlow
Larry M. Einbinder
Ian S. Elliot
John L. Fiore
Gregory H. Fisher
Andrew Paul Fridberg
Marianne N. Fridberg
Morris Funk
Louis U. Gabaldoni
Robert L. Gold
Edward J. Goldman
Carol M. Gonzalez
Richard H. Hallock
David J. Hartig
M. J. Ichniowski
Sandra S. Isbister
Barry Josephs
Janet L. Kennedy
Douglas L. Kozlowski
Pamela G. Krahl
S. D. Lindenbaum
G. E. Linhardt, Jr.
Mark D. Lisberger
Robert Wm. Macht
Michael N. Macklin
Philip N. Massey
Stephen A. Metz
J. G. Middleton
Harvey S. Mishner
Deborah J. Monk-Biller
Jeremy S. Musher
David G. Oelberg
Gary C. Prada
Jay G. Prenskey
Sharon Reilly-Levin
Ronald J. Ross, Jr.
Ellen L. Taylor

Lawrence D. Sandler
Anthony O. Sclama
S. Shawver-Matthews
Robert S. Shayne
Sanford J. Siegel
Francisco A. Smith
Alexis B. Sokil
Edward Timothy Souweine
Stuart R. Stark
Donald L. Steinweg
Lornel G. Tompkins
Stephen A. Valenti
Neil E. Warres
Randolph G. Whipps

1979

Number of Donors: 65
% Participation: 39.4%
Total Contributions: \$9,001.00
Average Gift: \$138.48

Arthur E. Bakal
William E. Becker
Bruce D. Behounek
Marilyn H. Bennett
Karen C. Carroll-Marshall
James A. Cockey
Lois M. Conn
Christopher Stuart Formal
Scott D. Friedman
Jeffrey D. Gaber
Alan R. Gaby
Larry I. Galblum
Paul F. Giannandrea
Lyndon K. Goodwin
A. Stephen Hansman
Thomas B. Haywood
Jan M. Hoffman
B. Jeanne Horner

Michael E. Hull
Stephan R. Izzi
Steven L. Joffe
Caroline C. Johnson
Martin F. Joyce-Brady
James W. Karesh
Frederick J. Kaye
Alan L. Kimmel
Max D. Koenigsberg
Bernard F. Kozlovsky
Owen Lee
Robert A. Levin
Susan M. Levy-Strohm
Timothy J. Low
G. S. Malouf, Jr.
Craig R. Martin
Bruce R. McCurdy
Melissa A. McDiarmid
Wayne A. McWilliams
George K. Nichols
Linda D. Oaks
Yeong Hwan Oh
Louis F. Ortenzio, Jr.
Mark A. Parkhurst
Steven H. Pearlman
Howard N. Popkin
John D. Reeder
William O. Richards
Peter E. Rork
Bruce Rosenberg
Anthony M. Scialdone
R. Sierra-Zorita
Michael J. Smith
Dorothy A. Snow
Nelson N. Stone
Mary L. Stracke
Maura J. Sughrue
Elizabeth L. Tso
Rebecca R. Umbach

CLASSES WITH THE HIGHEST TOTAL AMOUNT

1953 \$264,180.00

1969 \$41,210.00

1960 \$32,995.00

1955 \$23,917.50

1966 \$20,405.00

THE HONOR ROLL

1994

Anthony J. Vazzano
Thomas B. Volatile
John H. Weigel
Perri L. Laverson-Wittgrove
A. F. Woodward, Jr.
Erik B. Young
Kristen A. Zarfos
Gerald N. Zubkoff

1980

Number of Donors: 71
% Participation: 38.7%
Total Contributions: \$10,925.00
Average Gift: \$153.87

Mehtap A. Aygun
Melvin A. Bayne
Donald E. Brown, Jr.
Lawrence A. Brown
Douglas R. Brunner
Wayne E. Cascio
Robert P. Cervenka
George Chekan, Jr.
Jane L. Chen
Joseph P. Crawford
Catherine Crute
Dale K. Dedrick
Craig A. Dickman
Sonia Ehrlich
Judith Falloon
Cathy Ann Friedman
Vincent W. Gatto
Grace K. Gelletly
Alan I. Gelman
Robert J. Ginsberg
Marcia P. Goldmark
Peter J. Golueke
Robert J. Heinen
Lee J. Helman
Geoffrey R. Herald
Dena R. Hixon
Jan L. Houghton
Kenneth A. Jurist
Marian F. Kellner
Michael R. Kessler
David S. Klein

Kenneth C. Kunze
Susan L. Laessig
William D. Lamm
Anne D. Lane
Peter T. Lapinsky
Robert Y. Maggin
Richard A. Marasa
Karen C. Marcus
John N. Margolis
David J. Markowitz
David Bruce Matchar
M. E. McCahill
T. P. McLaughlin
John W. Middleton
Gary A. Milles
Thomas P. Moran
Michael J. Moritz
E. Joseph Morris
William J. Oktavec
Keith D. Osborn
Michael F. Pratt
James P. Richardson
Michael Righetti
Roger J. Robertson
Timothy J. Rodgers
Douglas M. Rudisill
R. L. Rudolph, II
Alan J. Sacks
Robert S. Schepp
Roy T. Smoot, Jr.
Victoria W. Smoot
Louis W. Solomon
Sally E. Sondergaard
H. H. Startzman, III
Eric S. Tannenbaum
Phuong D. Trinh
Paul A. Turner
Emily A. Ulmer
Paul E. Whittaker
F. L. Wiegmann, Jr.

1981

Number of Donors: 56
% Participation: 31.8%
Total Contributions: \$7,887.50
Average Gift: \$140.85

Thomas P. Archer
R. Balasubrahmanyam
Joan L. Bielefeld
Morris I. Bierman
Michael D. Blanchard
Bruce R. Bolling
Steven W. Boyce
Herbert N. Chado
Linda L. Chambers
Steve Pi-Hsiung Chow
Michael R. Clemmens
William Z. Cohen
Lloyd G. Cox, II
Paula Ehrlich
Daniel P. Ferrick
Frederick G. Flaccavento
Michelle Gelkin
Leigh Giannandrea
Samuel C. Gold
Carol G. Hooper
John Kao Hsiao
Howard T. Jacobs
Marc A. Jaffe
Steven R. Jaskulsky
Kathryn S. Kirwin
Joel B. Klein
Richard J. Leung
Randy Levin
Andrew M. Malinow
Gordon L. Mandell
Stephan C. B. Mann
Carol S. Marshall
Paul E. Mullen, II
Kathryn M. Neuman-Rudo
Marc Okun
Stephen Ozanne
James L. Pertsch
Lance D. Potocki
James S. Powell
Robert P. Reid

Marilyn Righetti
Donna L. Rinis
Howard N. Robinson
Jay M. Schein
Howard L. Siegel
Gary H. Silber
Samuel Smith
Dina R. Sokal
Carl Sperling
Michael T. Stowell
Murray Suskin
Robert O. Voight, II
Elizabeth Elster Wack
Brian W. Wamsley
Samuel A. Yousem
Laurie T. Zimmerman

1982

Number of Donors: 54
% Participation: 30%
Total Contributions: \$5,085.00
Average Gift: \$94.17

Guillermo W. Arnaud
Wayne L. Barber
Kenneth A. Blank
Phyllis B. Brandchaft
Paul S. Brockman
Bruce M. Bushwick
Robert F. Carr
Charles Carroll
Frank J. Catanzariti, Jr.
Judith L. Chipchin
J. P. Connelly, Jr.
Thomas W. Conway
Brian K. Cooley
Cynthia L. Costenbader
John C. Darrell
John M. DiGrazia
Jonathan S. Elias
Patrick F. Gartland
Joseph W. Gattuso, Jr.
Joseph J. Genovese
Warren Gibbs
George E. Groleau
J. Philip Hall

Peter R. Harbage
Edward S. Holt
Erica H. Jed
Constance J. Johnson
Mary E. Jones-Lindsay
Bruce A. Kaup
Darryl B. Kurland
John A. Lampe
Karl I. Lanocha
Carole R. Lerman
Rebecca Love
Jonathan D. Lowenthal
Abbe D. Mendlowitz
James W. Miller, II
John L. Newman
Andrew V. Panagos
Steven H. Parker
Robert E. Perry
Maureen C. Prendergast
Allan J. Raskin
Ralph T. Salvagno
Barbara S. Shapiro
Marc H. Siegelbaum
Leonard D. Sisk
Ellen A. Spurrier
Laura L. Stephenson
Leon Strauss
Susan A. Stuart
A. Hunter Thompson
Robert J. Varipapa
Nellie L. Whitaker

1983

Number of Donors: 63
% Participation: 36.6%
Total Contributions: \$8,740.00
Average Gift: \$138.73

Ali J. Afrookteh
Marc B. Applestein
Edward A. Atwell
Jeffrey J. Bernstein
Bruce A. Blacker
George M. Boyer
Brenda M. Brandon
Harry A. Brandt
Peter G. Brassard
Monica A. Buescher
Michael A. Caplan
S. Blaise Chromiak
Craig E. Collins
Protagoras N. Cutchis
S. W. Deijter, Jr.
Melvin J. Duckett
L. J. Eglseider, III
Joyce Evans
Grania Feddis
Michael J. Fisher
Neil B. Friedman
George Thomas Grace
Scott D. Hagaman
John Hart
Deborah L. Hebb
James D. Herr

MEDICAL CENTER GIFTS FOR FISCAL YEAR 1994

	MEDICAL ALUMNI ASSOCIATION GIFTS			ADDITIONAL RESTRICTED GIFTS TO THE MEDICAL CENTER			Totals
	Unrestricted	Restricted	Gifts-In-Kind	Outright Gifts	Gifts-In-Kind	Deferred	
Alumni	379,662	159,494	1,807	309,520	47,000	1,520,000	2,417,483
Faculty & Staff	15,625	955	0	82,231	0	0	98,811
Foundations & Corporations	0	8,210	0	2,417,851	0	0	2,426,061
Parents & Friends	2,250	7,800	1,250	2,080,006	36,985	0	2,128,291
Totals	397,537	176,459	3,057	4,889,608	83,985	1,520,000	7,070,646

THE HONOR ROLL

1994

Pamela B. Hudson
Jeffrey S. Jenkins
Mary Jo Johnson
Paul L. Katzenstein
Roy A. Kottal
Theodore I. Kramer
Alan B. Kravitz
Michael K. McEvoy
David S. Moss
Garry L. Mueller
Margaret M. Nichols-Gallaher
Denis J. O'Fallon
Harry A. Oken
Nancy E. Prosser
Mark C. Regan
Mark E. Richards
Marc S. Rocklin
William G. Rudolph
Sonia M. Saracco
Jeannine L. Saunders
Frederick W. Schaerf
Ronald H. Schuster
James Peter Scibilia
Donald L. Sherry
Marc S. Shiffman
James R. Sides
David A. Silber
Milton S. Sniadach, Jr.
Kevin L. Snyder
Alfred D. Sparks
James D. Spiegel
Stuart B. Taylor
Victoria A. Vanik
Robert J. Vissing
Robert E. Walker
Kevin M. Weaver
Janet E. Williams

1984

Number of Donors: 51
% Participation: 30%
Total Contributions: \$4,359.50
Average Gift: \$85.48

C.S. Abrams-Abendroth
Rodney Samuel Arthur
Roy E. Bands, Jr.
John R. Downs
JoEllen Estvold
John B. Gholl
Dan Glaser
Charles T. Gordon, III
Nanette M. Gormley
Heidi D. Gorsuch
Richard M. Haber
Jeffrey A. Holmboe
Michael F. Jefferson
Benjamin L. Jenkins, Jr.
William B. Kerns
N. W. Koutrelakos
Susan M. Lancelotta
Brad D. Lerner
Lynn M. Ludmer
Dale R. Meyer

Carole B. Miller
Russell R. Monroe
Edward P. Nast
Neil E. Padgett
Gary C. Papuchis
Robert I. Park
R. Matthew Reveille
Samuel M. Rosenberg
Isabel S. Rosenbloom
Leroy M. Schmidt
Martin L. Schwartz
Lurette S. Semmes
John P. Serlemitsos
Joshua Z. Sickel
Dana S. Simpler
Carmela A. Sofia
Sanjiv Sood
Mark R. Speake
Robert A. Sweet
Ben Tacheron
Sharon R. Tapper
Robert W. Tarr
Peter Wayne Townsend
Timothy C. Trageser
Debra A. Vachon
Alexander N. Vennos
Lewis C. Wasserman
David W. West
Michael W. Wingo
Alan H. Wolff
Lawrence A. Zimnoch

1985

Number of Donors: 42
% Participation: 24.4%
Total Contributions: \$3,167.50
Average Gift: \$75.42

Ira S. Allen
James P. Amerena
Martha L. Barnett
Michael R. Barnett
Susan Barrows
Kathleen Thomas Baskett
Joanna D. Brandt
Margaret O. Burke
Rudolph C. Cane
Agnes O. Coffay
Mark J. Ehrenreich
Frederick M. Gessner
Robert C. Greenwell, Jr.
Susan J. Holland
Craig A. Hostig
Sean E. Hunt
Earlene Jordan
David J. Kahan
Francisco C. King
Joanne L. Kinney
Jay K. Kolls
Alan R. Malouf
Paul C. Marinelli
Cynthia L. A. Mauterer
David John Mauterer
Daniel J. Morgan

David A. O'Keeffe
Patricia B. Patterson
Michael Platto
Jed S. Rosen
Hari C. Sachs
Sharon B. Samuels
S. J. Schoenfelder
Andrew M. Seddon
Abby Shevitz
Eric C. Sklarew
C. N. Smoot-Haselnus
Karen Stanley-Williams
Mark A. Taylor
H. Von Marensdorff
Matthew G. Wagner
Stephen P. Yeagle

1986

Number of Donors: 47
% Participation: 27.6%
Total Contributions: \$7,560.00
Average Gift: \$160.85

Samuel R. Akman
Marilyn F. Althoff
Stephanie Harris Applebaum
H. Scott Barshack
Melba J. Beine
Lauren L. Bogue
Nathan E. Carnell
Lucy Chang
Colleen Lee Cook
Steven F. Crawford
Charles W. Emala
Stephen Michael Fanto
Barbara Burch Fleming
Stephen Wayne George
Raphael Y. Gershon
Albert Sydney Hammond
Craig D. Hochstein
K. J. Hofmeister-Watt
Abby Irene Huang
Kelly Ann Hunter-Fanto
Elizabeth A. Janczur
Karen M. Kabat
Thomas E. Kelly
Ruth Anne Kelly-Queenan
Lee Allan Kleiman
Jan M. Koppelman
Dennis Kurgansky
Boris W. Kuvshinoff, II
Anne Ling Li
Joseph Gregory Liberto
Michael S. Lifson
Marion P. Lomonico, Jr.
Jeffrey Robert McLaughlin
Raymond E. Miller
Scott A. Milsteen
Gregory K. Morrow
Donna L. Parker
Adin Tyler Putnam
Seth D. Rosen
Judith Lynnn Rowen

Jonathan S. Schwab
James M. Skolka
Richard M. Sneeringer
Dean S. Tippet
Henry Tsao
Mark J. Vocci
Vance E. Watson

1987

Number of Donors: 25
% Participation: 17.7%
Total Contributions: \$1,352.50
Average Gift: \$54.10

Ira Howard Abels
Pamela Jayne Amelung
Susan Goldberg Baruch
Lawrence A. Chia
Mark Lewis Cockerill
Michael J. Damiano
Anne M. Dietrich
Adam Howard Fischler
Heidi L. Frankel
Bruce David Greenwald
Ralph Gregg
Elizabeth Roberta Hatcher
Stephen L. Houff
Patricia E. Kelly
Gene Kim
Betty Ann Kyser
G. Michael Maresca
Anne C. Mazonson
Thomas B. Mulford
Jennifer L. Murphy
Jan H. Stahl
Roger Marc Stone
Paul A. Tarantino
George E. Wicks, III
Shelly W. Woodward

1988

Number of Donors: 27
% Participation: 18.7%
Total Contributions: \$1,025.00
Average Gift: \$37.96

Lisa D. Amir
Joseph D. Bruzzese
Nancy Bunker
Thomas P. Carr
John B. Classen
Bonnie E. Cohen
Carol C. Coulson
Paula A. DeCandido
Jose E. Dominguez
Matthew R. Dukehart
C. J. Galuardi
Sally F. Hahn
Gregg L. Heacock
Kenneth W. Kotz
Joel S. Lahn
Marilyn N. Ling
Wolfgang E. Lohrmann
Robert M. McLean

David Boaz Naharin
Stanley M. Pamfilis
Richard D. Patten
Gloria A. Reckrey
Jeffrey P. Ross
Gail M. Royal
Sarah A. Stitt
Michael A. Wilson
Monford A. Wolf

1989

Number of Donors: 29
% Participation: 20%
Total Contributions: \$1,160.00
Average Gift: \$40.00

Henry W. Burnett
Wing C. Chau
Kurt Y. Chen
J. William Cook, IV
Daniel L. Croteau
Joseph P. David
Mary C. Deckelman
Erin R. Drew
Michael O. Duhaney
David S. Geckle
Randal D. Getz
David A. Gnegy
Ned H. Gutman
Ann S. Hagen
Stephen F. Hatem
Karen L. Ksiazek
Jeanette A. Linder
Tracy A. Magnuson
Darlene C. Marshall
Ann L. Mattson
Joy L. Meyer
Jill B. Midthune
Howard J. Morris
Jenny Y. Moy
Jean Marie Naples
Frances S. Rotter
Lise K. Satterfield
David P. Smack
William E. Venanzi

1990

Number of Donors: 23
% Participation: 16.4%
Total Contributions: \$632.50
Average Gift: \$27.50

Carolyn M. Apple
David H. Balaban
Sharen M. Bridge Bisson
Nicholas M. Cardiges
William P. Cook
Jennifer P. Corder
Joseph J. Costa
Ralph J. DeFriece
Karin M. Dodge
Kevin M. Fleishman
Margaret A. Flowers
Brian H. Hall

THE HONOR ROLL

1994

Mary K. Hoffman
K. B. Krishnamurthy
Jonathan L. Lessin
Mark A. Mighell
Daniel P. Paoli
Jeanmarie Perrone
Joseph P. Pestaner
Nicholas G. Polis
Michael E. Rauser
Dennis J. Van Zant
Bonnie M. Zetlin

1991

Number of Donors: 21
% Participation: 14.7%
Total Contributions: \$577.50
Average Gift: \$27.50

Yared Akilu
Brett M. Baker
Lisa Marie Beaudet
Eric Berg
Sally M. Bridgman
Scott M. Browning
Robert M. Cardinale
Jill Clark Sorbera
Fazeela Ferouz
Kelly Lynne Fritz
Thomas B. Kelso
Cheryl Iglesia Lessin
Katherine Lewis-Klug
Lorrie Regina Mello
Arman C. Moshayed
Cynthia Worthington
Niemeyer
Zinon Mark Pappas
Mary B. W. Porter
James Kevin Poulton
C. A. Schoedel
James Paul Wymer

1992

Number of Donors: 16
% Participation: 10.4%
Total Contributions: \$420.00
Average Gift: \$26.25

Eligio Aguhob
Evan Alpert
Clint Behrend
Catherine Brophy
Monisha D. Deodhar Saste
Howard Goldberg
Samia Hasan
Chan-Hing Ho
Todd Kihara
Lisa Kolste
David Kossoff
Joseph L. Manley
Ronald Rakowski
Tony L. Robucci
Geoffrey Rosenthal
Richard Heston Seidel

1993

Number of Donors: 30
% Participation: 20.2%
Total Contributions: \$700.00
Average Gift: \$23.33

Barbara Alexander
Michael Audon
Steven Avezzano
Gregory M. Brouse
Angela Brown
Kathryn M. Connor
Michael Cushner
Jonathan Efron
Martin English
David Figucia
Teresa Hanyok
Steven Hockstein
Debra B. Hurtt
Mark Keenan
Joung Y. Kim
Susan King
Karen Konkell
David Leonard
Andy Lieberman
Ursula McLymont
Faye Moul Lari
Susan Rothbauer
Douglas Seeb
Aminatu Shehu
David Sigman
Giles Simpson
Brian Solberg
Michael W. Stasko
Jonathan R. Weinstein
John White

FACULTY

Dr. Eli Y. Adashi
Dr. Mohamed S. Al-Ibrahim
Dr. Safuh Attar
Dr. Elizabeth Barnett
Dr. Rebecca Bascom
Dr. Gregory Kent Bergey
Dr. Eugene R. Bleecker
Dr. James F. Bosma
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Dr. David R. Burt
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Dr. John A. Kastor
Dr. John E. Kenzora
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Dr. Yu-Chen Lee
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Dr. Chris Papadopoulos
Dr. Mario L. Penafiel
Dr. Marcos J. Pupkin
Dr. Peter Rasmussen
Dr. Marshall L. Rennels
Dr. Juong G. Rhee
Dr. Richard D. Richards
Dr. Aurelio Rodriguez
Dr. Douglas D. Ross
Dr. Judith D. Rubin
Dr. John H. Sadler
Dr. Leonard Scherlis
Dr. Stephen C. Schimpff
Dr. William A. Scovill
Dr. E. L. Sherrer
Dr. Roger W. Sherwin
Dr. Moon L. Shin
Dr. Charles I. Shubin
Dr. David J. Silverman
Dr. Raymond A. Sjodin
Dr. John E. Smialek
Dr. Ilo Soovere
Dr. George T. Strickland
Dr. Philip A. Templeton

Dr. J. Tyson Tildon
Dr. Stephen Z. Turney
Dr. Dr. Umberto VillaSanta
Dr. John Windiate Warren
Dr. Matthew Ryan Weir
Dr. Charles E. Wiles
Dr. C. L. Wissemann, Jr.
Dr. Paul J. Yarowsky
Dr. Carol Zielke

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Dr. Hatem S. Abdo
Dr. & Mrs. E. K. Abraham
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Dr. W. U. Akthar
Mr. & Mrs. George W. Alber
Dr. J. M. Albornoz
Dr. A. Aldave
Dr. I. D. Alegado
Dr. & Mrs. H. Alencherri
Dr. & Mrs. T. Alizadeh
Mr. & Mrs. William Allaire
Dr. B. A. Alonso
Mr. & Mrs. Benjamin Alterman
Dr. David J. Andrew
Dr. N. Anillo
Dr. & Mrs. H. A. Arfaa
Ms. Michelle A. Arnold
Dr. Daniel L. Arons
Dr. & Mrs. M. Artusio
Mr. John H. Asher
Dr. R. L. Aybar
Dr. R. N. Azer
Mrs. Margaret Bacon
Dr. J. T. Bacsanyi
Dr. & Mrs. D. Badie
Dr. R. Bae
Ms. Lynda Ann Bales
Mrs. Monica S. Ball
Dr. B. Ballard
Dr. A. S. Banisar
Ms. Joan B. Baquis
Dr. & Mrs. K. Barakat
Dr. W. L. Barber
Mr. John R. Barrett
Dr. & Mrs. A. S. Barretto
Dr. & Mrs. R. Barthel
Dr. J. A. Bartkovich
Mr. Harry Bass
Mrs. Ellie Batt
Mrs. Louise Beachley
Dr. M. S. Bedine
Ms. Adele Bendes
Mrs. Constance G. Bennion
Dr. M. Benzinger
Mrs. Joan Berger
Mr. & Mrs. Marvin Bergsman
Mrs. Augusta Bernstein
Dr. P. Beusch
Dr. & Mrs. S. Bham
Susma Bhasin

Dr. C. Bhushan
Ms. Anne C. Bieretz
Dr. R. E. Bird
Mr. & Mrs. Everett Sheldon
Blades
Mr. & Mrs. F. Harrison Blades
Mr. & Mrs. Robert E. Blades
Dr. & Mrs. J. Blake
Dr. L. Blum
Dr. R. V. Boccia
Ms. Joyce F. Bolz
Dr. H. B. Boneval
Dr. R. H. Bonsack
Dr. W. Boonn
Dr. D. G. Booth
Mrs. John E. Bordley
Mr. & Mrs. Calvert L. Bowen
Dr. J. C. Boyd
Mrs. Helen W. Boyer
Mr. Paul E. Brager
Dr. L. Braterman
Dr. J. Brayton
Dr. & Mrs. Stephen Brayton
Philip L. Breen
Dr. R. Breitenecker
Dr. R. J. Breslin
Dr. & Mrs. R. Brimhall
Ms. Carole Britchkow
Mr. Aron Broches
Mr. Isidore Brotman
Ms. Sylvia H. Brown
Dr. G. Bruce
Ms. Elizabeth M. Buchanek
Mr. & Mrs. Evan J. Buckingham
Dr. D. M. Bullard
Mr. & Mrs. Stanford W. Butterworth
Mr. & Mrs. James L. Buxbaum
Mr. & Mrs. Stephen M. Byan
Dr. F. C. Caguin
Dr. P. A. Calilhanna
A. H. Calon
Dr. L. B. Cameron
Dr. A. Canlas
Dr. M. Canlas
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Mr. John J. Carlucci
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Dr. C. M. Castillo
Dr. T. Chanchien
Dr. K. L. Chandrasekhara
Dr. T. Chappell
Dr. Francis Chiamonte
Dr. T. T. Chieu
Ms. Grace M. Chu
Dr. Frank R. Claudy
Mr. & Mrs. Patrick Lyell Clawson
Dr. & Mrs. Marco Clayton

THE HONOR ROLL

1994

Mr. & Mrs. William Wilfred
Cobey
Mr. & Mrs. Edward A. Cockey
Mr. Carlton S. Cole
Dr. R. E. Collazo-Camunas
Dr. B. M. Conger
Dr. J. W. Connolly
Dr. D. M. Cook
Mrs. Mary S. Cooper
Mr. & Mrs. James H. Cope
Dr. D. R. Coronel
Dr. J. B. Corvera
Mrs. Catherine Corzine
Mr. & Mrs. Thomas Cotterell
Mr. & Mrs. R. C. Cronin
Mrs. Sarah R. Crosby
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GIFTS-IN-KIND

From stocks to antique medical furnishings, the following alumni and friends contributed to the collections and programs of the Medical Alumni Association between July 1, 1993 through June 30, 1994.

David Kipnis '51
Harry Knipp '51
Ms. Barbara Mosberg
Walter Shaw '57

HONOR AND HOMAGE

The Medical Alumni Association accepted donations in honor of the following alumni, students and friends.

Albert Baron
James Frenkil '37
Alan Laverson
Perry Lynn & Steve Laverson '83
Regina Ann Whiteford

The Medical Alumni Association accepted donations in memory of the following alumni and friends.

Dr. Ali H. Afrookteh
David H. Andrew '31
Milton R. Arons '30
Aaron Bernstein '39
Francis J. Borges '50

Class Notes

•1931

Bernard Brill of Forest Hills, N.Y., retired in June after 20 years of service at the Federal Civil Service Medical Department, United States Navy and 16 years as a civilian medical officer.

•1932

Herbert Berger of Staten Island, N.Y., is professor emeritus at New York Medical College where he teaches intermittently and enjoys his hobby of astronomy. **J. George Diamond** of Cranbury, N.J., has a son, Mark, who practices neurology after graduating from the University of Maryland at College Park and Jefferson Medical College. **John C. Dumler** and wife, Grace, are residents of Londonderry, a retirement community in Easton, Md.

•1933

Benjamin Miller is retired since 1978 and lives in Washington, D.C.

•1935

Melvin R. Aungst recently relocated to Aberdeen, Md., his wife Miriam's place of birth. The move follows four decades of practice in Northern Maine. **Jeannette R. Heghinian** of Millsboro, Del., celebrated her 85th birthday last summer. She enjoys rides in a new boat on the bay in front of her house. **Everet H. Wood** of Black Mountain, N.C., initiated an American Association of Retired

Persons (AARP) blood donor program in his community of Highland Farms.

•1936

Joseph R. Myerowitz of Baltimore has a son, **P. David**, '70, a Karl P. Klassen Professor and chief of the division of thoracic and cardiovascular surgery at Ohio State University in Columbus.

•1937

James Frenkil of Baltimore, past president of the Medical Alumni Association (1977-78) and recipient of its 1994 Service Award, is a member of the School of Medicine's board of visitors. Frenkil is also active with the Rotary Club and Goodwill Industries. **Helen Ensor Llewelyn** of Myrtle Beach, N.C., is active in volunteer work and serves on various boards and committees. **Morton M. Spielman** of Scottsdale, Ariz., and wife, Blanche, have three sons who are physicians and one daughter who practices law.

•1938

Donald D. Cooper of Towson, Md., retired after 46 years of pediatric practice. **Henry Rothkopf** of Horsham, Pa., served as a federal aviation medical examiner for 48 years and continues to practice with his son, **Scott**, '71, who is board certified in cardiology

and geriatrics. **Rothkopf** enjoys playing tennis with "65 year old kids." **H. Leonard Warres** of Baltimore traveled to Israel and Jordan last summer to meet members of the Peace Mission. He also visited Poland, Hungary and Germany.

•1939

David W. Palmer of Wheeling, W.Va., continues flying as a private pilot at the age of 83. **Claude P. Sherman** recently moved but still resides in Martinsville, Va.

•1940

Stephen Ralph Andrews of Elkton, Md., has enjoyed retirement since 1986. He spends time with Jessie, his wife of 46 years as they travel, garden and enjoy their three children and nine grandchildren. **Benjamin H. Inloes Jr.**, of Williamsburg, Va., toured the former communist countries bordering the Baltic Sea. **Louis Jorgensen** is retired and living in St. George, Utah, after 30 years in an ob-gyn practice and an appointment in 1962 with the U.S. Department of Defense in Ogden. **G. Roger Myers Jr.**, of San Diego enjoys visits with family and trips to the East Coast in retirement. He looks forward to attending his 60 year class reunion in the year 2000. **William R. Platt** of Baltimore continues work on a

3rd edition of *Color Atlas and Textbook of Hematology, Oncology and Transfusion Medicine*. He has taught in Grenada, Hong Kong, China, Kenya and Portugal. Platt's wife, Jeanette, is a medical illustrator and is the former director of the art department at St. Timothy's School. **Samuel V. Tompakov** of Baltimore has been retired from an internal medicine/cardiology practice for two years. **Herman Williams** of Wyomissing, Pa., is retired and enjoys duplicate bridge. He spends four months each year in Jupiter, Fla.

•1941

Gene A. Croce of Cranston, R.I., has reduced his office hours to Monday and Thursday. **Dwight P. Cruikshank III**, of Parkersburg, W.Va., and wife, Louise, are proud of sons **Dwight P.** and **Stephen H.**, who specialize in ob-gyn and daughter, **Carolyn C. Rouse**, a flight coordinator for Delta Airlines. **Thomas A. Hedrick** of Johnstown, Pa., has a son, **David A.**, who practices in Greenwich, Conn. **Pearl Scholz** of Baltimore coordinated a luncheon in June honoring class president **Pierson Checket**. Checket was given an inscribed desk pen set.

Class Notes

•1942

Louis Manganiello of Augusta, Ga., and wife, Dr. Carol Pryor, have two daughters and two grandsons. **Francis J.**

Townsend of Ocean City, Md., chairs the fund raising committee of the new Atlantic General Hospital in Berlin.

•1943D

Joseph Bitsack of Mahwah, N.J., will be retiring after 45 years of surgical practice.

Augustus H. Frye Jr., of Lookout Mountain, Tenn., traveled to St. Simons Island, Ga., in October to speak at the Worker's Compensation Law Institute on the topic "Shoulder and Knee Anatomy, Corrective Procedures and Function Recommendations."

Charles A. Kemper of Chippewa Falls, Wisc., is a part-time ER physician at small town hospitals in that state. **C.V. Latimer Jr.**, of Slingerlands, N.Y., and wife, Henrietta, enjoy their cottage at the Beverwyck, a health related retirement community.

William B. Rogers of Cuyahoga Falls, Ohio, has written three articles and five letters to medical magazine editors for publication during the past year.

•1944

John M. Bloxom of Salisbury, Md., enjoyed his 50th reunion last spring and is planning

another mini-reunion with former roommates **Charles D. Chaput** and **Brad Thompson.**

Herbert B. Copeland of Baltimore retired from practice in January 1993. **Sarah Taylor Morrow** of Raleigh, N.C., also enjoyed her 50th reunion last spring, as did **Harry E. Rolfes** of St. Petersburg, Fla., who says he is already looking forward to his 55th. **L. Bradford Thompson** of Wayland, Md., passes along his compliments to those who planned the 50th.

•1945

Leah R. Camp of Big Pine, Fla., is retired since 1985 and is recovering from bypass surgery. **Daniel O. Hammond** of Miami, retired in 1990 after 38 years of practice and now plays the viola with several orchestras and works part-time as a surgical assistant.

Alexander Kelly Jr., of Grosse Pointe Farms, Mich., retired in 1993.

•1946

Guy K. Driggs of Dallas and wife, Maxine, celebrated their 50th wedding anniversary February 12, 1994. **Samuel D. Gaby** of Baltimore has a son, **Alan**, '79, serving a two-year term as president of the American Holistic Medical Association.

•1947

John G. Brickner of Phoenix, Md. retired in June. **Edward M. Gillson** of Hackensack, N.J. retired from practice in June 1991. **Benjamin M. Gold** of Rocky Mount, N.C., enjoys traveling, boating, golfing and participating in bass fishing tournaments.

•1948

Benjamin K. Silverman of Seal Beach, Calif., was named Teacher of the Year by the senior residents of the Children's Hospital of Orange County in June. A plaque was presented to him at the annual banquet. **James T. Welborn** of

Lexington, N.C., enjoys travel, golf and staying young with his four grandchildren. He is retired from his family practice of 46 years.

•1950

Fred J. Burkey of Pittsburgh retired in October 1993. **John C. Hyle** of Baltimore is retired. His son, Michael A., has succeeded him in practice. **Milton R. Righetti** of Castro Valley, Calif., has a son, **Michael '80**, who practices orthopedics in Whitefish, Mont. **Frederic Simmons** of Daytona Beach, Fla., retired in June after 30 years of practice and working part-time for the city's health

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Class Notes

department and the Children's Medical Society. **William W. Thompson** of San Clemente, Calif., retired from practice since 1985, keeps busy by participating in a weight loss clinic, an adult day health care center and the Kiwanis Club. **Albert L. Upton** of Pleasanton, Calif., has been retired since 1988. **Enrique Vicens** of Ponce, P.R., is active in practice and politics. **Fowler F. White** of Torrington, Conn., is still practicing and writes to remind us that someone once said: "Work is extolled as a virtue by those condemned to its performance."

•1952

Timothy D. Baker of Baltimore traveled to the Ukraine earlier this year on a World Bank tour to develop a health loan and is heading to China to study lung cancer prevention in tin miners. **Romulus V. Houck** of Sykesville, Md., retired in June after 42 years of practice.

•1953

Lewis C. Richmond Jr., retired from practice in West Virginia and has moved to Savannah where he finds more activities.

•1954

Thomas E. Kiester of Anchorage, Alaska, sailed Morning, his 44' sloop in the Caribbean last summer.

•1955

James Keegan of Milford, Conn., enjoys retirement at his second home in Cape Cod (Brewster, Mass.) and would love to see classmates who visit the area. **William F. Krone** has moved to Berlin, Md., after retiring as director of the primary care clinic of the U.S. Naval Hospital in Annapolis. **Peter Thorpe** of Sarasota, Fla., is retired and enjoying life with wife, Marion.

•1956

Theodore R. Carski of Baldwin, Md., retired as corporate medical director for the Becton Dickinson Company in June. **Carl P. Laughlin** of Williamsburg, Va., has a son, Daniel, who practices plastic surgery in Annapolis, Md. **Mathew H. Lee** of Holliswood, N.Y., co-authored two recently published books entitled *Recovering at Home After a Stroke* and *Recovering at Home with a Heart Condition* (Berkeley Publishers). **John B. Littleton** of Timonium, Md., is president-elect of the Maryland Academy of Family Practice and chair of a committee to form a prepayment integrated delivery system owned and operated by family

physicians and other primary care physicians of the state of Maryland. **Irvin P. Pollack** of Baltimore is recipient of the Distinguished Alumni Award, presented by the Washington University Department of Ophthalmology in April 1994.

•1957



Robert O. Hickman of Bothell, Wash., received the 1994 James W. Haviland

Award for Outstanding Achievement in Nephrology, presented by the Northwest Kidney Foundation. Hickman is the founder of pediatric nephrology in the Pacific Northwest and creator of the world-renowned Hickman Catheter. **Charles R. Oppgaard** of Denver and wife, Juanita, have a daughter in her senior year at the University of Colorado School of Medicine.

•1958

David A. Cope of Wyomissing, Pa., retired in March. **Maurice M. Reeder** of Honolulu recently authored the 3rd edition of Reeder and Felson's *Gamuts in Radiology* as well as three spin-off versions of the text.

•1959

Robert J. Thomas of Frederick, Md., retired recently from general surgery and started the occupational medicine division at Frederick Memorial Hospital. As its medical director, he manages occupational health services for some 400 Frederick County businesses. **Mervin L. Trail** is chancellor at Louisiana State University Medical Center in New Orleans and Shreveport. **George S. Trotter** of Jacksonville, Fla., is president of the Duval County Medical Society and organized the We Care Program and the North East Florida Aids Network. **Robert I. Varner** of Savannah retired in November.

•1960

Herbert H. James of Anchorage, Alaska, is retired since 1993 and remains on the board of governors of Shriners' Hospital for Crippled Children in Spokane, Wash.

•1961

James J. Cerda of Gainesville, Fla., served as the James H. Horner Distinguished Visiting Professor of Medicine at the University of Tennessee in Memphis in 1994. **Robert J. Myerburg** of Miami is immediate past-president of the Association of University Cardiologists and president of the Association of Professors of Cardiology.

Class Notes

•1962

Louis R. Caplan of Chestnut Hill, Mass., is an honorary member of the Australian and German Neurological Societies and he was chosen by Scripps Clinic to deliver this year's Donald Shiley Lecture. He also accepted an invitation extended by the Cleveland Clinic to present its Annual Guy Williams Lecture. **Robert A. McCormick** and wife, Marsha, have lived in Santa Fe, N.M., for 30 years and find the city, like the practice of medicine, has changed. Their son, Jonathan, is a lawyer.

•1963

Thomas V. Inglesby of Summit, N.J., completed a three-year term as ACC governor last summer. He has two children preparing for medical careers: Tom Jr., a third year internal medicine resident at Johns Hopkins Hospital; and Ann, a second year medical student at Columbia Presbyterian Medical Center in New York City.

•1964

Gustavo A. Colon of Metairie, La., is vice-president of the American Society for Aesthetic Plastic Surgery and was appointed to the minority affairs committee of the American Medical Association. **Richard J. Kelly** of Reston, Va., chairs the board of directors at National Hospital for

Orthopedics and Rehabilitation and directs the medical program at Genesis Health Ventures in Alexandria.

•1965

Bruce A. Brian of Denver has served as president to the Colorado Trudeau Society since 1993. **Sigmund L. Sattenspiel** of Colts Neck, N.J., chairs the department of surgery at the CentraState Medical Center, maintains a practice of facial plastic surgery, directs the Sattenspiel Surgical Arts Pavilion in Freehold, and somehow finds time to golf. **Larry A. Snyder** of Baltimore has a son, Steven '88, serving as a fellow in pediatric ophthalmology at Indiana University after completion of a residency in ophthalmology.

•1966

Michael A. Ellis of Ellicott City, Md., is assistant professor of orthopedic surgery at the University of Maryland, past chief of that division at St. Agnes Hospital in Baltimore, and owner/operator of a steeplechase racehorse farm in Howard County. **Stuart L. Fine** of Bryn Mawr, Pa., and wife, Ellen, have four children: Karen, a public relations specialist for medical institutions; Andy, a third year medical student at the University of Pennsylvania; Ellie, a serious

volunteer worker at the University of Pennsylvania; and Stuart, chair of ophthalmology at the University of Pennsylvania and director of the Scheie Eye Institute. **Thomas M. Hill** of West Hartford, Conn., has a son, Michael, who graduated in May from Georgetown University School of Medicine and is a resident in surgery at the Albany Medical Center in New York.

•1967

Colvin C. Carter of Columbia, Md., is partner of a physician general internal medicine group. **Joel Goffman** of

Houston and wife, Penny, have two sons who graduated from Harvard: Brian received an MBA from the business school and Mark, a graduate of the government school. **David M. Snyder** of Rixeyville, Va., led a mission to Sarajevo, Bosnia, last January to establish the Bosnian Relief Mission, sponsored by the International Academy of Preventive Medicine. **Joseph I. Stapen** moved to Santa Barbara, Calif., and is associate medical director for the Pacific Shores Hospital in Oxnard. **Donald B. Vogel** of Bethesda, Md., has a daughter, Miriam, who worked as a fellow in Vice-



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Class Notes

President Gore's office last summer.

•1968

Barry A. Lazarus of Bloomfield, Conn., is a PhD candidate in the history department at the University of Connecticut.

•1969

C. W. McCluggage of Houston is chief of neuroradiology at Texas Childrens and St. Lukes Episcopal Hospitals at the Texas Medical Center. Robert Nadol of Barrington, R.I., is chief of service in the division of mental health and substance abuse services for the Harvard

Community Health Plan of New England, an HMO serving over 80,000 members.

•1970

Joseph P. Michalski of Mobile, Ala., was awarded an NIH grant earlier this year titled "Genomic Screening for Non-HLA Linked Genes in Celiac Disease." David A. Perry of Hariman, N.Y., is a full-time practitioner of adult psychodynamic psychiatry.

•1971

Daniel L. Cohen has lived in Suffolk, England, for 13 years. He is senior pediatrician, hematologist-oncologist and

director of outpatient primary care services at the U.S. Air Force Hospital, and teaches at Cambridge University. Peter M. Hartmann of York, Pa., is director of medical education at York Hospital. Sherman Kahan of Frederick, Md., and wife, Kathleen, have four children. Paul T. Rogers of Bel Air, Md., authored *Medical Care for Down's Syndrome*.

•1972

Howard J. Weinstein of Newton, Mass., and wife, Ann Hochberg, are the parents of twins Aaron and Rebecca, born on July 14. Richard H. Wingert of Cape Coral, Fla., practices otolaryngology and head and neck surgery and looks forward to visits from classmates traveling in the Fort Myers/Cape Coral area.

•1973

Charles R. Clark of Frederick, Md., is medical director of Chesapeake Health Plan, a Baltimore HMO.

•1974

J. Michael Schnell of St. Albans, Vt., is president of the Vermont State Medical Society and the Vermont Rural Health Consortium, a group of five rural hospitals. Schnell sits on the board of the Northwestern Medical Center in St. Albans where he is chair of the department of surgery and president of the medical staff.

•1975

C. E. Andrews Jr. of Fort Worth, Tex., is director of renal transplant services at Harris Methodist Hospital and is president of LifeGift Oxygen Donation Center of North Texas, the most productive oxygen procurement agency in the country. L. Thomas Divilio of Easton, Md., is chief of staff at Memorial Hospital. Edward L. Morris of Baltimore is chair of the Arthritis Foundation Board, Maryland Chapter and became board certified in geriatrics last summer. Robert S. Willig of West Hartford, Conn., is assistant medical director, board member and past chairman of the board of Northeast Kaiser Permanente Medical groups.

•1976

David A. Shaller of Kingston, Pa., provided testimony in 1991 to a U.S. House of Representatives government operations subcommittee on the difficulties experienced by medical personnel who attempt to expose quality of care problems in veterans' hospitals.

•1977

Anne C. Goldberg of St. Louis is an associate professor of medicine at Washington University Medical School.

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Class Notes

•1978

John C. Chatlos of Old Bridge, N.J., is assistant clinical professor of psychiatry at the University of Medicine and Dentistry of New Jersey located in Newark. **Jonathan A. Edlow** of Newton Centre, Mass., publishes medical detective stories four times a year in the *Ladies Home Journal*. **Andrew R. McCullough** holds a full-time academic position at New York University Medical School. In addition to his urologic practice, teaching and research duties, he works in the areas of sexual dysfunction and infertility. McCullough remarried in October 1993 to Joanna Fine, a practicing psychiatrist and faculty member at NYU. **Michael H. Sandler** of Reisterstown, Md., hired two associates and added offices in Randallstown and Eldersburg to his Owings Mills practice earlier this year. **Stephen A. Valenti** practices in Columbia and performs cardiac catheterization at the Washington Hospital Center in Washington, D.C., and at the Washington Adventist Hospital in Takoma Park with Rita King '85, and Michael Silverman '87.

•1979

George J. Alter of Charlotte, N.C., practices ophthalmology and ophthalmic plastics with

Charlotte Eye, Ear, Nose and Throat Associates. He and wife, Neena, have 3 children: Maggie (8), Michael (6) and Joseph (4).

•1980

Catherine Crute of Portland, Maine, is an associate professor at the University of Vermont in Burlington. **Robert J. Ginsberg** relocated his operation to a larger Silver Spring, Md., office. He is on the steering committee for development at Holy Cross Hospital PHO and is a founding member and sits on the steering committee of Primary Care Association of Montgomery County, Md., a network of primary care physicians. **Richard D. Huhn** directs the hemopoietic stem cell laboratory of New Jersey's transplant program in New Brunswick. **M.E. McCahill** is associate director of the family medicine residency as well as director of behavioral science for the residency at the University of California, San Diego.

•1981

David McClure and classmates **Robert Duncan** and **Patricia Dubyoski** are part of a five member group practice which is building a 10,000 square foot facility scheduled to open in September 1995 in Bel Air, Md.

•1982

Guillermo W. Arnaud works at the DeWitt Army Community Hospital in Fort Belvoir, Va., after returning from Germany last July where he served a three-year tour of duty. **Jonathan S. Elias** of Potomac, Md., and wife, Irene, have four daughters ages 1, 3, 8 and 11. **Joseph W. Gattuso Jr.**, of Hollidaysburg, Pa., is a fellow of the Society of Cardiac Angiography and Interventions. **Constance J. Johnson** of Ellicott City, Md., married Karen Stell, D.V.M., in May. They live on a horse farm. **Randi D. Lebar** of

Springvale, Maine, finished her stint in the Navy and is practicing in Southern Maine where she and husband, Kent, reside with their 8 month old son, Caleb. **Henry M. Richards** of Flemington, N.J., is an associate director in clinical research and new drug development at Hoechst-Roussel Pharmaceutical in Somerville. **Jerry B. Schwartz** of Rancho Pebs Verdes, Calif., is an assistant professor of pediatrics at Harbor-UCLA School of Medicine as well as medical director of neonatology and chief of the department of pediatrics at Torrance



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Class Notes

Memorial Medical Center. **Corina Waldman** of Hollywood, Fla., describes life in South Florida as being enjoyable and hectic as the result of her being part of a thriving five person ob-gyn practice and her three sons, ages 3, 7 and 9.

•1983

Charles E. Hendricks of Seal Harbor, Maine, is chief surgeon at Mount Desert Hospital, president of the Hancock County Medical Society and president of the Medical Associates of Bar Harbor. **Mary I. Jumbelic** of Peoria, Ill., appeared on the news program "Eye to Eye" with Connie Chung last summer. **Melissa Markopolos-Munzo** of Tampa took a few months leave from family practice last March when she and husband, Chris, adopted a newborn baby boy. **Mark E. Richards** of North Bethesda, Md., is chief of plastic surgery at Shady Grove Adventist Hospital in Rockville and is spending a great deal of time on state and local legislation meant to preserve quality medical care. **Eric W. Scott** of Gainesville, Fla., is practicing neurosurgery privately after completing four years with the Army at Eisenhower Medical Center in Augusta, Ga., where he also served as assistant clinical professor of neurosurgery at

the Medical College of Georgia. **Milton S. Sniadach Jr.**, of Englewood, Colo., and wife, Marjorie, announce the birth of Bradley Marcus, their first son and third child. Sniadach was awarded the outstanding teacher award from the residents of St. Joseph's Hospital in Denver.

•1984

Joseph A. Adams of Baltimore is an active member of The Coalition for a Smoke Free Maryland. **Matthew M. Shuster** of Auburndale, Mass., and wife, Diane, have two daughters, 3 year old Emily and newborn Robin. **Stephen G. Swengros** and wife, Sue, moved to Lakeland, Fla., recently where Stephen joined a large group practice in general internal medicine. Their second child, Ellie, was born January 1994 and their son, Timothy, is 8.

•1985

Raymond E. Banfer is practicing family medicine in the Whiskey Bottom office of the Columbia Medical Plan in Laurel, Md. **Margaret O. Burke** and husband, H. Smith Burke, celebrated their 25th anniversary last May with a trip to Maui, Hawaii. **Peter R. Gray** of Glen Falls, N.Y., put down his basketballs and bagpipes and pulled out the shuffleboard and geritol. **Joanne L. Kinney** of Ashton, Md., and

husband, Thomas McMullen, announce the birth of their third child, Robert C. McMullen, in September 1993. **Michael J. Hallowell** of Sewell, N.J., enjoys teaching at Hahnemann University in Philadelphia where he is chief of diagnostic ultrasound and director of the body imaging fellowship program. Leisure time is spent cycling around the country. **David A. O'Keeffe** of Orchard Park, N.Y., is the recipient of a certificate of added qualification in sports medicine and he represented the United States at the World Cup Marathon Championship in Spain last year.

•1986

Boris W. Kuvshinoff II, of New York, is a fellow in surgical oncology at Memorial Sloan-Kettering Cancer

Center. **Judith L. Rowen** of Houston is a research instructor in the infectious diseases section of the department of pediatrics at Baylor College of Medicine. **Lisa A. Scheinin** of Redondo Beach, Calif., is permanent deputy medical examiner at the LA County Coroner's Office. She is editor-in-chief of *Roller Coaster Magazine* and traveled to Europe last summer with hopes of riding her 300th coaster.

•1987

Mark Lewis Cockerill of Kailua, Hawaii, practices international radiology at Tripler Army Medical Center in Honolulu and calls it the best Army assignment in the world. **C. J. Hammer, III** moved to Lyman, N.H., last summer and is practicing clinical dermatology with the Dartmouth Hitchcock Medical Center.

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Class Notes

•1988

Lisa Amir finished her fellowship in pediatric emergency medicine and earned a master's degree in public health before leaving with her husband and two children for a sabbatical in the pediatric emergency room at Children's Medical Center in Israel. While there she will continue her research in injury prevention and accident epidemiology. **Carol C. Coulson** of Hummelstown, Pa., completed a fellowship in maternal-fetal medicine at the University of North Carolina, Chapel Hill and is now an assistant professor in that division of the department of ob-gyn at Hershey Medical Center. She and husband, Robert Brewster, have a son, Alexander Brewster, who turned one in August. **Abbott B. Huang** and Carol Ann McHugh were married in June and are residing on Long Island, N.Y. **Kenneth W. Kotz** of Vienna, Va., is married to Nancy Kotz and practices oncology in Northern Virginia. **Marcella A. Wozniak** of Elkridge, Md., is an assistant professor of neurology at the University of Maryland School of Medicine. She is board certified in neurology, has completed a stroke fellowship and

received certification from the American Society of Neuroimaging in neurosonology.

•1989

Caryn Brenner-Williams of Harrisburg, Pa., is the site director for medical student clinical clerkships for family practice rotations and a clinical assistant professor at Penn State University School of Medicine. **Neri Cohen** of Richmond is training in the specialty of cardiovascular and thoracic surgery at the Medical College of Virginia. He and wife, Ilene, have two children: Dena, 5, and Joel, 2. **Adam Dorin** of Hagerstown, Md., completed his residency in anesthesiology and is currently an ambulatory anesthesia fellow at Johns Hopkins University. He is board certified, chief of anesthesia at Robinwood Surgery Center in Hagerstown and a partner in a pain management group. Dorin and wife, Shirin, D.D.S., have three children: Phillip, Alexander and Emily. **David A. Gnegy** of Pittsburgh and wife, Margaret, announce the arrival of Matthew, born in May. **Ronald Jay Williams** of Harrisburg, Pa., is an assistant professor in internal medicine and in pediatrics and a clinical assistant professor at the Penn State Milton S. Hershey Medical Center.

•1990

Nolan D. Tzou of New York started a fellowship in chronic pain management at Memorial Sloan Kettering Cancer Center last summer.

•1991

Renato G. Albaran of Royal Oak, Mich., was married in August to Christine Jimenez. **Karen Brown** of East Haven, Conn., completed her residency in internal medicine. **Christianne Schoedel** of Baltimore writes that her husband, Barnaby Starr, has a pediatric practice at Union Memorial Hospital that is thriving, as is their 7 year old daughter, Brittany, and 3 year old son, Tommy.

•1992

Howard Goldberg of Durham, N.C., married Jill Borin on May 29, 1994. **Chan-Hing Ho** of Lanham, Md., authored *Health Education in the Schools*, *Maryland Family Doctors* and *CCU Survival Guide*, a supplementary guide for residents in the family practice program at Franklin Square Hospital Center. She and husband, John, have two children enrolled in the talented and gifted school.

•1993

Peggy Guerrero-Martin of Baltimore and husband, Eugene, are overjoyed with Selina, born in November 1993. **John Hung** of Los Angeles is a second year pediatric resident at UCLA.

•1994

Kourosh Baghelai of Glen Allen, Va., is an intern in the general surgery program at the Medical College of Virginia. **Jhemon Lee** of Chicago, Ill., says hello to classmates. He is in his first year of a radiology residency which he describes as most excellent. He invites readers to drop him a line.

Keep in Touch

We enjoy hearing from alumni and hope you enjoy reading about the avocations, professional accomplishments and personal milestones of your colleagues. Please help keep us informed. Write to Class Notes Editor, Medical Alumni Association, 522 West Lombard Street, Baltimore, Md. 21201-1627. Or, get in touch by phone, 410-706-7454, or FAX, 410-706-3658.

In Memoriam

Philip L. Kaye '28

Flushing, N.Y.

November 2, 1993

Dr. Kaye practiced medicine in Astoria, Queens for more than half a century where he was a devoted provider of quality care at reasonable costs to his patients. Much of Dr. Kaye's time was devoted to the study of fatigue and as a result, he was published in

Neuropsychiatry and *The New York State Journal of Medicine* in July 1980, when an article he authored, "Fatigue: a pervasive problem," appeared and was received very positively.

Henry C. Fattel '29

Teaneck, N.J.

May 13, 1993

Dr. Fattel interned at Jersey City Medical Center and served his residency at City-County Hospital in Houston. During World War II, he served for four years as captain in the U.S. Army in the European theater. He practiced ophthalmology in North Bergen, N.J. Dr. Fattel was always quick to note that the teaching he received at the School of Medicine was the finest. Survivors include his wife, Alice.

Harold C. Diehl '33

Frostburg, Md.

July 6, 1993

Albert J. Himelfarb '33

Baltimore

July 30, 1994

Dr. Himelfarb began an association with Sinai Hospital over 50 years ago as an intern. His affiliation consisted of various posts including attending physician, president of the medical staff and chairman of the medical executive committee. In 1981, two of Dr. Himelfarb's patients endowed a professorship at Sinai in his name. Before retiring from practice in 1985, Dr.

Himelfarb had offices on Belair Road, Cold Spring Lane and finally at Sinai Hospital. He was a diplomate of the American Board of Internal Medicine and a member of the Baltimore City Medical Society, the Medical and Chirurgical Faculty of Maryland and the Phi Delta Epsilon Medical Fraternity. He is survived by his wife, Doris, two daughters, five grandchildren, and three great-grandchildren.

Jason H. Gaskel '34

Baltimore

July 28, 1994

Dr. Gaskel served as captain in the Philippines during World War II. He returned to Baltimore as an orthopedic surgeon and practiced in the southeast section of the city for many years. In the 1980s he began limiting his practice to diagnostic work and referrals.

He always made a point of keeping up with surgical and dermatological journals and was interested in photography.

Howard B. Mays '35

Rock Hall, Md.

July 12, 1994

Dr. Mays served an internship at University Hospital, then graduate study in urologic surgery during a residency at Boston City Hospital. During World War II, he served in the Army Medical Corps in the 142nd General Hospital. He left the army as a lieutenant colonel. His practice began in Baltimore in the 1940s. In 1948, Dr. Mays developed new surgical techniques to repair congenital malformations of the genitourinary tract. He taught at University Hospital and had privileges there and at the Greater Baltimore Medical Center, Maryland General Hospital and Union Memorial Hospital. He was a former president of the Mid-Atlantic Region of the American Urological Association and of the Medical Alumni Association of the University of Maryland. Surviving Dr. Mays are his wife, Beatrice, a daughter and three grandchildren.

Philip Owen '35

Jamestown, N.J.

January 16, 1994

Dr. Owen graduated from Columbia University with a

degree in pharmacy. After graduation from the School of Medicine in 1935, he conducted research and clinical trials with sulfa drugs and started a private family practice. During World War II, he provided psychiatric treatment to prisoners of war. After the war, Dr. Owen settled in Union, N.J., and continued in the family practice of medicine until his retirement in 1975. He and wife, Betty, moved to Jamesburg, N.J., and traveled around the world, enjoying winters in warmer climates.

Irvin B. Klemkowski '37

Towson, Md.

August 2, 1994

Dr. Klemkowski interned at Maryland General Hospital in Baltimore and completed his training in obstetrics and gynecology. He practiced in Baltimore until 1979 when he began working in an industrial clinic practicing industrial medicine and gynecology on a part time basis. Dr. Klemkowski once said that the most gratifying experiences in his career were delivering normal newborn babies to anxious parents. Among those who survive Dr. Klemkowski are Virginia, his wife of 57 years, three daughters and six grandchildren.

In Memoriam

John F. Schaefer '38

Baltimore

July 14, 1994

During World War II, Dr. Schaefer served in the Army Medical Corps with the 311th General Hospital, in the Philippines. He was discharged as a major in 1946, and became chairman of the Disability and Disease Rating Board of the Veterans Administration until 1952 when he opened a practice. He also served as assistant Baltimore County medical examiner. Dr. Schaefer was a member of the Board of Medical Examiners, the Baltimore City Medical Society and the American Association of Family Practitioners. In 1971, he was president of the Medical and Chirurgical Faculty of Maryland. As a youngster, Dr. Schaefer was H.L. Mencken's copy boy on the *Evening Sun* and throughout his life was an inveterate newspaper reader and collector of Mencken memorabilia. Dr. Schaefer's survivors include his wife, Naomi, a son, two daughters and five grandchildren.

Dale M. Posey '42

November 8, 1993

Lititz, Pa.

Dr. Posey interned at St. Joseph Hospital, trained in his specialty of ophthalmology at Baltimore Eye, Ear, Nose and

Throat Hospital and was a fellow of the American College of Surgeons. He established the Low Vision Clinic at the Sight Saving Center of Lancaster, Pa., which is named in honor of his son, Dale Morton Posey, Jr. During World War II, Dr. Posey was a lieutenant in the U.S. Navy and served aboard a troop transport. Among those surviving Dr. Posey are his wife, Helen, and three sons.

Henry G. Ferri '43D

June 8, 1993

Carnegie, Pa.

Henry J. Houska '44

June 10, 1994

Baltimore

From 1945-47, Dr. Houska served as ward officer, base surgeon, disease control officer and hospital consultant with the U.S. Army Medical Corps. In 1948, after completion of an internship and residency at Mercy Hospital in Baltimore, Dr. Houska began a private practice in Highlandtown, a southeast Baltimore neighborhood. A member of the Medical and Chirurgical Faculty of the State of Maryland, Dr. Houska sat on its sub-committee on diabetes and was a member of the Baltimore City Medical Society. Dr. Houska was proud of his Czech heritage and spent much of his leisure time traveling to enjoy ethnic-related activities. Dr. Houska's survivors include his wife of 45

years, Lois, their three daughters and two grandchildren.

James S. O'Hare '46

September 22, 1994

Huntsville, Tex.

Dr. O'Hare interned at what is now Mercy Medical Center and completed a residency in surgery at Lutheran Hospital in Baltimore. He served in the U.S. Navy Second Marine Division at Camp LeJeune, N.C., during World War II. Dr. O'Hare assisted victims of the Pennsylvania Railroad wreck in 1961 which killed six and injured 243. A year later he moved to Texas. Until his retirement several years ago, he had been a physician with the Texas Department of Criminal Justice in Huntsville. He is survived by his wife, Rita, and eight children.

Charles I. Ware '48

December 30, 1993

Gloucester, VA

George J. Iten '51

May 10, 1994

Orrville, Ohio

Following an internship and a residency at General Hospital of Fresno County in California, Dr. Iten settled in Orrville where he maintained a general practice for 32 years. He thrived in the role of small town physician and continued to make house calls until the last few years of his practice. He retired in 1985. One of his

most rewarding experiences was delivering babies for patients he helped bring into the world. As a member of the Christian Medical Society, Dr. Iten participated in medical mission trips to Liberia, Dominican Republic and Honduras. He is predeceased by his wife, Ruth, who died in 1981, and is survived by his sons, Jonathan and Timothy.

Elmer C. Koller, Jr. '56

February 3, 1994

Baltimore

Susan T. Legat '65

September 24, 1993

Bethesda, Md.

FACULTY AND FRIENDS

Cyrus Lloyd Blanchard

September 6, 1994

Baltimore

Founder and former head of the division of otolaryngology, Dr. Blanchard pioneered techniques that offered hope to the deaf and sufferers from tinnitus. Thousands benefited from Dr. Blanchard's surgery, known as stapedectomy. In the early 1970s, he initiated a program aimed at detecting hearing loss in infants where the procedure of audiometry is used. Dr. Blanchard trained hundreds of residents and medical students in his specialty. He is survived by his wife, Rose, a son, two daughters and two grandchildren.

Faculty and Staff News

Maimon Cohen, Ph.D., chief of the division of human genetics, recently participated on a panel on "Future Projects and Ethical Dilemmas," presented during a course entitled "Genes in Primary Care: What You Really Need to Know." Sponsored by Harvard Medical School and the Massachusetts Institute of Technology, the course's objective was to bring the information explosion in molecular genetics related to primary care medicine into a form readily available to practicing physicians. Cohen was also recently elected vice-president for laboratory genetics of the American College of Medical Genetics. He will have oversight of position papers and the college's statements regarding transition of genetic testing from an investigative status to introduction into clinical practice.

Anne N. Hirshfield, Ph.D., professor, department of anatomy, presented the keynote lecture on folliculogenesis at the 10th Ovarian Workshop held at the University of Michigan in Ann Arbor. The theme of the workshop was "Frontiers in Ovarian Research." The workshops provide an international forum for reproductive biologists studying the

complex interactions at the cellular, physiological and molecular levels that govern the development and function of the ovary.

Bruce A. Fowler, Ph.D., director, toxicology program, department of pathology, was named the recipient of a Fulbright Grant for the 1994-95 academic year. He will spend the year in Sweden in the lab of Sten Orrenius, Ph.D.

Robert Edelman, M.D., professor of medicine, delivered the invited plenary session paper on Lyme disease vaccines at the 6th International Conference on Lyme Borreliosis held in Bellagio, Italy.

Michael T. Shipley, Ph.D., professor and chair of anatomy, has been appointed to the editorial board of the *Journal of Chemical Neuroanatomy*. He has also been appointed to the editorial board of the *Journal of Comparative Neurology*, the oldest neuroscience journal in existence.

Gregory F. Handlir, MBA, associate dean for resource management in the School of Medicine, has been appointed to serve on the Association of American Medical Colleges (AAMC)



Call for 1995 Awards Nominations

Alumni, faculty and friends are invited to send in nominations for 1995 awards by February 1, 1995. The Honor

Award and Gold Key is awarded to a living alumnus based on "outstanding contributions to medicine and distinguished service to mankind." Factors considered in the selection process include: impact of accomplishments; local, national and international recognition; supporting letters; and publications.

The Medical Alumni Association Service Award is given to an individual who has provided "outstanding service to the Association."

Letters of nomination for both awards must include a curriculum vita and should be addressed to:

Bernice Sigman, M.D., Chairman
Awards Committee
Medical Alumni Association
522 West Lombard Street
Baltimore, Maryland 21201

national task force on medical school financing. The group is charged with building a strong case for federal support of medical schools in the rapidly changing health care environment.

Jordan E. Warnick, Ph.D., associate professor of pharmacology and director of student research programs and the Fogarty Minority International Research Training Program for the School of Medicine, con-

ducted a workshop for prospective Fogarty applicants at the University of Alabama.

Valerie Prenger, Ph.D., director, genetic epidemiology section, division of human genetics, received an award from the Federal Bureau of Investigation (FBI) for her efforts as part of a team working on the DNA identification of the victims of the Branch Davidian fire in Waco, Texas. ■

Student News

Pediatric Pals Visit Children

Hospital experiences for children can be long and lonely ones, but a group of medical students is doing its part to brighten the lives of youngsters at the University of Maryland Medical System.

"Our goal is to visit children who, for one reason or another, do not have regular visitors," says Jennifer Kujawa, who along with Joanna Luty, Marie Vanden Bosche, and Heidi Ginter founded Pediatric Pals. The program is quite simple. The family life office at the hospital identifies lonely chil-

dren and matches them up with a pal who promise to visit them the duration of the hospital stay.

The idea was a popular one. During the group's first organizational meeting, more than 80 students showed up to inquire about the program. And the pals aren't just limited to students interested in entering pediatrics as a career; participants have career interests ranging from family practice to surgery. ■

—by Nancy Wheeler, '98

Promoting Primary Care

On Thursday, September 29, the University of Maryland School of Medicine joined medical schools across the nation in celebrating National Primary Care Day. Nine medical student organizations and the Association of American Medical College's Office of Generalist Physician Programs sponsored the event which sought to celebrate the important role that the generalist physician plays in medicine and society.

Activities at the School of Medicine included a banquet

and presentations by five eminent Maryland faculty members, who spoke to approximately 100 students attending the event. Vice Dean Frank Calia, M.D., and Dean of Student Affairs Bernice Sigman, '60, also spoke at the event. The preceding week featured a daily information table where students collected documents on a wide variety of topics involving primary care. ■

—by Steven Feinleib, '97



Bernice Sigman, '60, associate dean for student affairs, and James Richardson, '80, review the menu during the Freshman Pizza Party. >

Medical Alumni Welcome Freshmen

The Medical Alumni Association welcomed new students to campus during two events in August.

Breakfast was provided in Bressler Hall on Monday, August 15, during Freshman Orientation.

On Thursday, August 25, first year students took a break from their Human Behavior block to attend the Medical Alumni Association's Freshman Pizza Party in Davidge Hall. More than 160 students, faculty and staff sampled 30 different kinds of gourmet pizza and a giant submarine sandwich. New students were welcomed by MAA president Sylvan Frieman, '53, and sev-



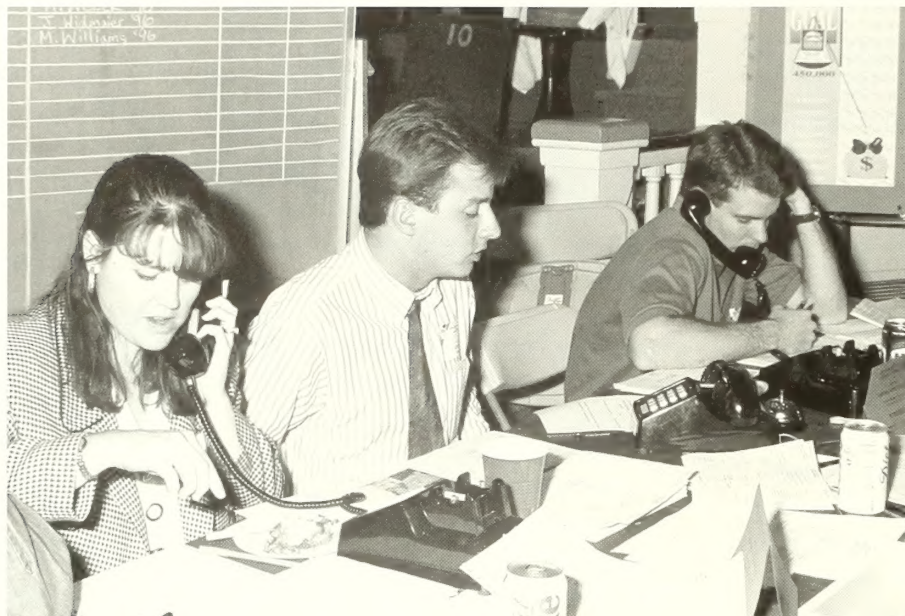
< More than 150 students, faculty and alumni attended the party.

eral past and present members of the board.

The freshmen were also introduced to the Student Advisory Committee, which now consists of four members from each class. Members for 1994-95 include: Chair, Suman Mishra, Gail Granof, Kay Layton, and John Moriarty from the class of 1995; Jim Wang, Maureen Williams, Lisa Cannada and Jim Widmaier from the class of 1996; Kadir Erkman, Jin Hur, Nick Meyer and Dev Anjaria from the class of 1997; and Alpa Dharia, Rachel Exelbert, Nancy Wheeler and Shannon Willey from the class of 1998. ■

—by Nancy Wheeler, '98

Alumni Events



Maureen Williams, '96, works through dinner with John Moriarty, '95, and Jim Widmaier, '96.

Phonothon Exceeds \$450,000 Goal

Graduates from seven decades joined forces with students to contact more than 6,200 alumni during this year's phonothon. As of October 11, \$460,000 had been pledged, exceeding both last year's total of \$401,000 and this year's goal of \$450,000.

The event began on September 19 and ran for four weeks. On two nights, alumni and students had the option of calling from Chemical Hall in Davidge Hall, or Baxter Health Care Corporation in Columbia. The Columbia site attracted alumni from the Washington, D.C., area. Four reunion gift efforts from the classes of 1945, 1955, 1970 and 1975 highlighted the event. A special thanks to alumni, students, friends and Baxter Health Care Corporation for helping make this year's event a smashing success. ■

MAA Cosponsors Events in Chicago and San Francisco

More than 150 alumni, faculty and friends of the School of Medicine attended events in Chicago and San Francisco during the month of October.

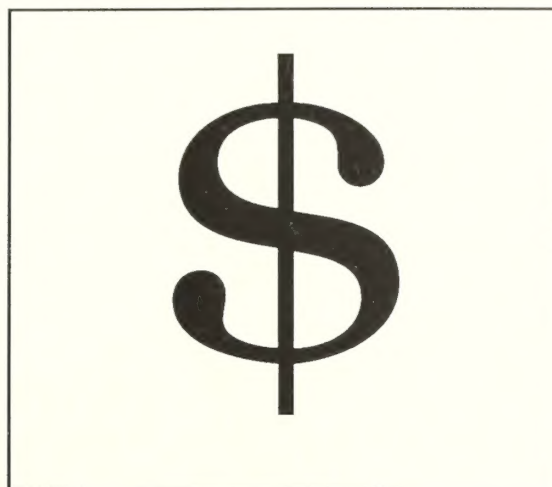
Sylvan Frieman, '56, president of MAA and assistant director Caryn Collier traveled to Chicago for the American College of Surgeons annual meeting at the Chicago Marriott on October 10. The event was cosponsored by Anthony L. Imbembo, M.D., professor and chair of the department of surgery. Joseph

McLaughlin, '53, represented the department of surgery in Imbembo's absence.

On Sunday, October 16, Murray Kalish, '73, secretary of MAA joined Ms. Collier in San Francisco for the annual meeting of the American Society of Anesthesiologists. M. Jane Matjasko, M.D., professor and chair of the department of Anesthesiology cohosted the event in San Francisco. ■



Associate Dean Bernice Sigman, '60, joins students Robin Sadkir, '96, and Jim Wang, '96 during the phoning.



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Health Sciences Research Facility



Bill McAllen

Our new Health Sciences Facility research building was dedicated in December. The building's atrium is named for outgoing Governor William Donald Schaefer, in thanks for his commitment to the project and his support. More information about the new facility, scheduled for completion in summer 1995, will appear in future editions of *The Bulletin*.

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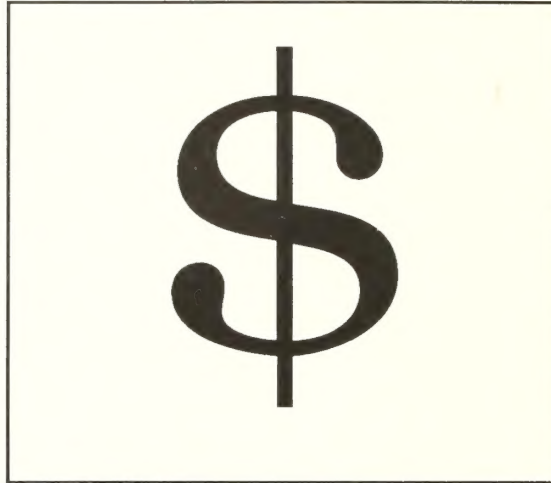
School of Medicine launches new curriculum

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School of Medicine breaks with time-worn traditions of teaching

In Fall 1994, our first-year students became educational pioneers in the School of Medicine. They were the first to help us launch an all-new curriculum. The completely revised, revamped and revitalized method of teaching features small groups, problem-based learning, increased time for self-study, peer evaluations, early clinical experience, and more than a passing acquaintance with medical informatics.

19 Reaching Out to the Homeless

When internist Gary Milles, M.D. '80 called upon his local colleagues to join him in providing health care for needy patients, he was met with enthusiasm and compassion. In only a few months, more than 50 physicians volunteered their time for the *Physician Alliance for Patients in Need*.

On the cover

Whether studying the "new" curriculum or the "old," our current medical students found some time to model for our cover.

Our thanks to all of them and our Student Advisory Committee for their help.

Cover photograph by Charles Freeman

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UM scientist named to national cancer advisory board • School hosts Nobel laureates and 400 neuroscientists at Baltimore conference

7 Advances

Newly identified neck muscle—a possible link to tension headaches • Understanding weight loss in Alzheimer's patients • How appropriate is surgical treatment for vision loss in the elderly? • Cryosurgery success for liver tumors • Halting blindness in premature babies.

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Medical Alumni Association of the University of Maryland, Inc., 522 W. Lombard St., Baltimore, MD 21201-1627

Message from the Dean



Donald E. Wilson, M.D., Dean

The National Institutes of Health (NIH), the primary source of research funding for all 126 member schools of the Association of American Medical Colleges (AAMC), has released its list of research awards for the fiscal year beginning October 1, 1993 and ending September 30, 1994.

According to those results, the University of Maryland School of Medicine has improved both the amount of its NIH funding during this period, and its standing relative to other medical schools.

In 1994, the school ranked 13th among 74 public medical schools, with total awards of \$52,744,782—a 24.5 percent increase from 1993, when the school ranked 14th, with total funding of \$42,351,003. In 1992, Maryland ranked 15th.

The school also improved its standing among the total 126 medical schools, now ranking in the top 25 percent of all schools. Maryland ranked first in percent increase in NIH funding for the top 20 public medical schools, and second

for the top 40 of all medical schools. This increase is particularly significant when considering the School of Medicine's relatively low indirect cost rate as compared to other institutions. Our total research funding for this same period was more than \$90 million.

While this is good news, it does not represent the total picture. The NIH budget may not even keep pace with inflation and we are already feeling the effects of that.

**Maryland ranked
first in percent
increase in NIH
funding for the top
20 public medical
schools.**

While our researchers had more NIH grants approved this past fiscal year, we received fewer total dollars. Our clinical practice income is slightly up from last year, even while managed care competition has led to a decline in the reimbursement rate paid to our faculty physicians. This will have a

negative impact upon the money available to fund research and teaching.

All of these factors create new problems and challenges for the University of Maryland School of Medicine. No matter what our specific solutions are to address these challenges, I am convinced that we will have to make significant changes in how we function in today's rapidly evolving marketplace. Even though formal health care reform legislation was not passed, health care reform is happening rapidly. We must, as many organizations are doing these days, re-engineer ourselves to be successful.

Research and education have become more dependent upon the income derived from our clinical practice. Last year, approximately one-third of clinical income supported education and research. But that was income that came from doing business in a more traditional fashion. The state of Maryland has one of the highest penetrations of managed care—about 35 percent—in the country. If academic medical centers

such as ours are going to survive, we must respond to this reality.

Our clinical faculty must become a truly integrated, multi-specialty group practice to compete in today's marketplace. To that end, the School of Medicine and the University of Maryland

**We must,
as many organiza-
tions are doing
these days,
re-engineer
ourselves to be
successful.**

Medical System are developing a Physicians Hospital Organization (PHO), that will allow us to respond more effectively to managed care offerings and develop our clinical initiatives. We recently opened the first of several primary care sites planned for the metropolitan area. The sites, called UniversityCare, will focus on primary care services provided by family medicine physi-

cians, general internal medicine practitioners and pediatricians. The first site, located in Edmondson Village, will also offer urgent care, extended hours, and training opportunities for our students and our post-graduate trainees.

But changing the way the clinical faculty does business is not the only strategy we must employ to succeed. Our basic scientists, students and staff must understand their respective roles. We must also help our legislators appreciate the contributions the School of Medicine has made in educating Maryland's physicians and scientists, providing quality health care for its citizens and maintaining a productive impact on the state's economy. Our alumni and the Medical Alumni Association can play a most important part in putting that message forth.



Donald E. Wilson, M.D.



There is a revolution occurring all around us—an information explosion that

is already affecting every facet of our lives. And medicine, as well as almost every other profession today, must keep pace. Furthermore, the "how" and "where" of caring for people is

In this issue

undergoing dramatic shifts, and society is

mandating that medical schools produce graduates who choose primary care as a career.

For these reasons, it was inevitable that traditional methods of teaching medicine be examined and reviewed. Some of these traditions were restructured, some introduced at other times, some linked with others in new ways, and some eliminated completely. Our cover story reviews those changes and how and why they came about.

While curriculum reform has been a long and difficult road, we are sure the results will be rewarding. Join us for a look at the first year of our new endeavor.

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News

Clinton names SOM scientist to national cancer advisory board

President Clinton has appointed Kay Dickersin, Ph.D., to the National Cancer Advisory Board (NCAB), one of only two women scientists on the board. Dr. Dickersin is an assistant professor of epidemiology and preventive medicine, and director of the Baltimore Cochrane Center at the University of Maryland School of Medicine.

Dr. Dickersin brings both scientific and personal experience to the role. She is a breast cancer survivor and, as such, co-founder of Arm-in-Arm, a Baltimore-based breast cancer support organization. She is also co-chair of the research task force of the National Breast Cancer Coalition. She currently serves on the Department of the Army Breast Cancer Integration Panel, and the co-chairs committee of the Department of Health and Human Services National Action Plan on Breast Cancer. Dr. Dickersin has also served in scientific and consultative capacities relating to breast cancer at the National Cancer Institute, the Institute of Medicine,



Dr. Dickersin

the Maryland Department of Health and Mental Hygiene, and national and international clinical trial data and safety monitoring committees.

The NCAB was established in 1971 by the National Cancer Act to advise the director of the National Cancer Institute (NCI) and the Health and Human Services Secretary on scientific policy issues and provides approval for grants which are funded by NCI according to available sources.

"With Dr. Samuel Broder (current director of NCI) resigning as of April 1, a number of changes are anticipated at NCI," says Dr. Dickersin. "It's an exciting time to be involved in the process—a process that we hope to make even more proactive."

-V. S.

Neuroscientists brainstorm in Baltimore

Nearly 400 neuroscientists from 40 American research institutions and 25 European, Asian and Australian centers met in Baltimore in November to share their findings on the cholinergic synapse.

The symposium, sponsored by the School of Medicine, focused on the structure, function and regulation of the cholinergic synapse—involved in such diseases as Alzheimer's, multiple sclerosis, myasthenia gravis and anterior lateral sclerosis (Lou Gehrig's disease).

While this was the third international symposium on cholinergic synapses, it was the first time the meeting

had been held in the United States.

The honorary chair of the event was Dr. Julius Axelrod, a previous winner of the Nobel Prize in medicine. Dr. Bert Sakmann, another Nobel Prize recipient for medicine, presented one of the two scheduled special lectures.

The event was organized locally by Edson X.

Albuquerque, M.D., Ph.D., chair of pharmacology and experimental therapeutics at the School of Medicine, with assistance from other colleagues at UMAB and The Johns Hopkins University.

-V. S.

Handlir elected AAMC committee chair

Gregory F. Handlir, associate dean for resource management at the University of Maryland School of Medicine, has been elected chair of the Association of American Medical Colleges (AAMC) Group on Business Affairs.

The AAMC represents all 126 accredited, allopathic United States medical schools; the 16 accredited Canadian medical schools; more than 400 teaching hospitals, including 74 Veterans Administration medical cen-

ters; 91 academic and professional societies representing 70,000 faculty members; and the nation's medical students and residents.

The 1,000-plus member Group on Business Affairs is the national professional organization for medical school principal business officers, as well as many other administrative and financial managers in all medical schools. The group serves as a resource to the AAMC and its member medical schools.

-V. S.

News

Renowned trauma surgeon selected for Cowley Fellowship

Howard R. Champion, F.R.C.S., F.A.S.C., an internationally known critical care specialist, trauma surgeon, author and educator, has been selected as the 1995 -1996 R Adams Cowley Visiting Scholar at the University of Maryland School of Medicine National Study Center for Trauma and Emergency Medical Systems (EMS). The Cowley Fellowship is awarded to an individual who has displayed excellence in the field of trauma/EMS research. It was established to honor the late R Adams Cowley, a pioneer in the science of trauma medicine.

Dr. Champion comes to Maryland from the Uniformed Services University of the Health Sciences in Bethesda, where he is professor of surgery

and chief of the division of surgery for trauma. Prior to that, he spent nearly 20 years at the Washington Hospital Center (WHC), and recently retired from his position there as director of trauma surgical/critical care and emergency services. While at WHC, he developed the MedSTAR Trauma Unit and the MedSTAR Helicopter Program, as well as trauma surgical training for military residents and fellows.

This is Dr. Champion's second fellowship at the University of Maryland; in 1973, he completed a fellowship in trauma surgery at the Maryland Institute for Emergency Medical Services Systems (MIEMSS), and then spent a year as the assistant clinical director of MIEMSS.

Dr. Champion is a Fellow of the Royal College of Surgeons of Edinburgh and of the American College of Surgeons. He served on the board of managers of the American Association for the Surgery of Trauma and the executive committee of the committee of trauma of the American College of Surgeons. He is founder and past president of the Eastern Association for the Surgery of Trauma, founding member and vice president of the

American Trauma Society, past president of the Association for the Advancement of Automotive Medicine and past president of the International Association for the Surgery of Trauma and Surgical Intensive Care. Dr. Champion was recently the chairman of the National Institutes of Health Trauma Research Task Force for Congress, and has been instrumental in furthering legislation to improve trauma care in the United States.

The National Study Center is a multidisciplinary group of investigators who conduct research on trauma and EMS care effectiveness, crash biomechanics, the role of drugs and alcohol in injury, violence, disaster and informatics. The Center's mission is to prevent death and disability from injury and critical illness through interdisciplinary research and the transfer of findings to clinical applications, public policy and society at large.

While at the Study Center, Dr. Champion will work with Center acting director **Brad Cushing, M.D.**, to pursue the Center's strategic development and continue its interest in the cost-effectiveness of trauma systems and trauma prevention.

- V. S.

Continuing education program re-accredited

The School of Medicine's Program of Continuing Education has been resurveyed by the Accreditation Council for Continuing Medical Education (ACCME) and awarded accreditation for four years as a sponsor of continuing medical education (CME) for physicians.

This accreditation assures physicians and the public that continuing medical education sponsored by medical schools meets the high standards of the essentials for accreditation as specified by the ACCME.

"Rules and regulations for CME providers have become more rigorous in the past few years," says **Jack Mason, Ph.D.**, assistant dean for continuing medical education, noting that the School of Medicine's CME office was in compliance with the more stringent requirements.

- V. S.

The News and Advances sections were prepared with thanks to the public affairs officers of the University of Maryland School of Medicine (410-706-3572), the University of Maryland at Baltimore (410-706-7820), and the University of Maryland Medical System (410-328-6776):

Jill Bloom
Amy Heaps
Betty Lynn Leary
Ellen Beth Levitt
Vicki Strittmater

"New" muscle gives clues to headaches

Newly identified neck muscle may shed light on tension headaches

Three UMAB researchers may have a clue to a more complete understanding of one of our most common ailments—the tension headache. The team identified a set of connective tissues—not previously described in the medical literature—at the skull base.

The surprising new observation was the result of a collaboration between a neurosurgeon—**Walker L. Robinson, M.D.**, associate professor in the School of Medicine—and two general dentists, **Gary D. Hack, D.D.S.**, assistant professor in the Dental School, and

Richard T. Koritzer, D.D.S., a visiting scientist.

The previously undescribed tissues form a bridge between the deep neck muscles and the dura mater, the membrane that covers the brain and spinal cord.

When neck muscles contract, the connective tissue bridge tenses and pulls on the dura mater, causing the pain of tension headaches.

"It is well known that the dura mater is extremely sensitive," explains Dr. Robinson. The researchers speculate that when neck muscles contract, the connective tissue bridge tenses



Drs. Robinson and Hack

and pulls on the dura mater, causing the pain of tension headaches. Dr. Robinson has observed that when these muscles are severed, unexplained contraction headaches disappear.

"This discovery is significant to neurosurgeons because it broadens the basic understanding of the upper neck region," Dr. Robinson adds.

The scientists presented the results of their research at the national meeting of the American Association of Neurological Surgeons and the Congress of Neurological Surgeons, and the annual meeting of the American Association of Neurological Surgeons in Orlando. A preliminary description of the trio's discovery is detailed in a report submitted to the journal *Spine*.

— B. L., V. S.

Solving the weight loss puzzle of Alzheimer's

New study to examine caloric needs

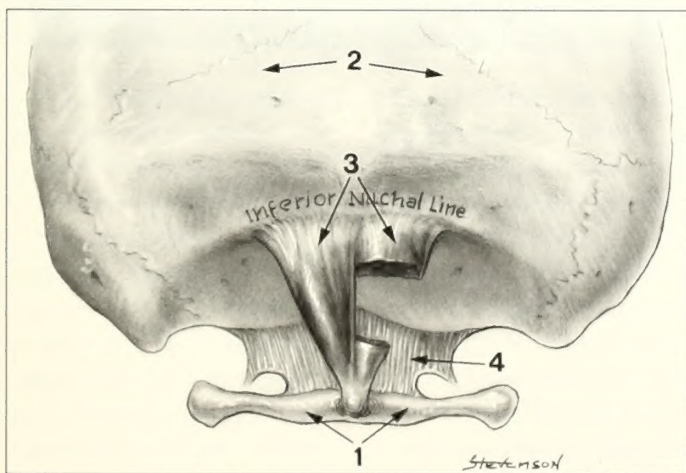
Researchers at the University of Maryland Medical Center have begun a new study to look at why Alzheimer's patients experience significant weight loss even though they appear to be eating an adequate number of calories.

Using a new, more accurate method to measure the burning of calories, the study will try to determine the amount of calories Alzheimer's patients and healthy older people need to maintain body weight and good nutritional health. The two-year study is being funded by a \$75,000 grant from the American Association of Retired Persons (AARP).

"Most research focusing on caloric intake has been done on younger people. It may be that older people need more calories to maintain their weight," says **Eric T. Poehlman, Ph.D.**, assistant professor of medicine and physiology in the Division of Gerontology at the University of Maryland Medical Center.

The study will enroll 50 patients with Alzheimer's

(continued on next page)



Posterior view of the suboccipital region: (1) First cervical vertebra. (2) Back of the skull. (3) Rectus capitus posterior minor muscle (partially removed on right side). (4) Posterior atlanto-occipital membrane (PAO). Spinal dura mater (not shown) is immediately deep to the PAO membrane.

Tom Stevenson

(continued from previous page)

disease and 50 healthy men and women over age 60. Researchers will then measure their metabolic rates and compare the differences in calories burned by older healthy individuals and calories burned by patients with Alzheimer's disease.

Previous methods of measuring the rate of calorie burning have not been very accurate since they relied on calculating the number of calories that people were consuming through their regular diet.

"It may be that people with Alzheimer's disease burn calories differently or at a higher rate than healthy older adults. This may contribute to the weight loss or wasting away," says Dr. Poehlman. "Once we determine if their caloric needs are different, then the next step would be to establish guidelines for caregivers to optimally feed these individuals to maintain their body weight and body composition."

For more information about the study, call 410-605-7000, extension 5420.

- E. B. L., J. B.

Taking another look at surgery for vision loss

Study finds surgical treatment for vision loss in elderly no longer appropriate

Results of a multi-center study, coordinated by researchers at the School of Medicine, have shown that a sight-saving surgical technique used to treat vision loss in the elderly is not helpful and may, in fact, be harmful.

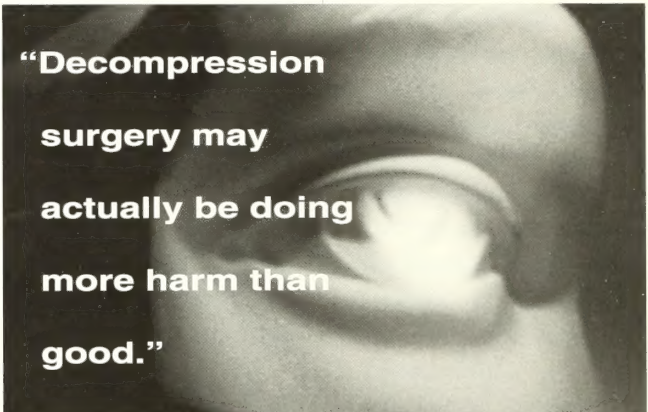
The technique, called optic nerve sheath decompression, has been used for the past seven years to treat a condition known as non-arteritic anterior ischemic optic neuropathy, the most common cause of sudden blindness in men and women over age 50, affecting up to 6,000 Americans each year. But according to Shalom Kelman, M.D., associate professor of ophthalmology and principal investigator for the 25-center study, preliminary results indicate that decompression surgery provided no more benefit than careful patient follow-up.

The study, overseen by the School of Medicine and supported by the National Eye Institute (NEI) of the National Institutes of Health (NIH), analyzed data from 244 patients who had been diagnosed with ischemic optic neuropathy. Of these, 119 underwent the decompression surgery and 125 received careful follow-up of

their condition, but no surgery.

At six months of follow-up, 43 percent of patients receiving careful follow-up improved three or more lines of vision, while in the surgery group, only 33 percent showed the same amount of improvement over the same period. Further, 12 percent of eyes in careful follow-up lost

adopted by many ophthalmologists in 1989 to treat ischemic optic neuropathy because, before then, no treatment existed. Until the recently published study, no clinical trial had been conducted that included suitable, randomized control groups; uniform testing procedures; standardized definitions of the condition; and enough patients to show ade-



"Decompression surgery may actually be doing more harm than good."

three or more lines of vision at six months, compared to 24 percent in the surgical group. "This suggests that decompression surgery may actually be doing more harm than good," explains Dr. Kelman. "It is also a costly procedure, averaging \$5,000 to \$10,000. Millions of dollars could be saved by not performing this procedure."

Optic nerve sheath decompression was quickly

quate statistical results.

"This study not only demonstrated the ineffectiveness—perhaps even danger—of the procedure, but also the importance of thorough testing for any new treatment for any condition, particularly those with such implications for public health," says Dr. Kelman.

- V. S.

Halting blindness in prematurity

Using oxygen to treat retinopathy



Steve Sparana

Singer and musician Stevie Wonder was just one of thousands of premature babies blinded in the 1950s as a result of retinopathy of prematurity (ROP), a disease caused by treatment with

high levels of oxygen to help them survive. As smaller premature babies survive with today's advanced technology—80 percent of babies weighing less than 3 pounds at birth survive today, com-

pared with 20 percent 40 years ago—incidence of the disease is again climbing, despite limited oxygen exposure. Researchers at the University of Maryland School of Medicine have begun a study that will examine the use of additional oxygen in controlled amounts as a treatment for ROP, essentially reintroducing the very element that caused ROP in the 1950s.

According to **Mark Preslan, M.D.**, associate professor of ophthalmology and co-principal investigator for the study, 60 to 65 percent of premature babies have some form of ROP; 1 in 5 of those will develop vision-threatening ROP. The study

will treat those infants who already suffer from moderately severe ROP and are at highest risk for going blind. Administering the oxygen is part of the normal treatment all premature infants receive; the study will examine the effects that slightly increasing the amount of oxygen received will have.

"We believe that once ROP begins, areas of the retina may not receive enough oxygen, and this may make the disease worse," says Dr. Preslan. "If we can determine exactly the right amount of oxygen to give, the retina may be able to heal."

-V. S.

Medical Center offers new cryosurgery treatment for liver tumors

The first cryosurgery for liver cancer at the University of Maryland Medical Center was performed on December 9. The patient, a 72-year-old Baltimore man, had colon cancer that had spread to his liver.

"With cryosurgery, we can offer a significantly increased chance of survival to patients who are too ill to undergo a major operation or those whose tumors are in inoperable locations in the liver," says **Lynt Johnson, M.D.**, assistant professor of

surgery who specializes in liver surgery at the UMMC. Dr. Johnson leads a team of doctors from different specialties to care for all types of liver disease.

Evidence that the tumor is shrinking can be seen on imaging tests a few weeks after the procedure, which involves freezing the tumors with liquid nitrogen. The surrounding healthy tissue is not harmed. The patient usually stays in the hospital for four or five days after cryosurgery, compared to a two-week hospitalization for

surgical removal of liver tumors.

"According to early data, there is about a 30 percent cure rate with cryosurgery, meaning that after five years, the liver remains free of tumors. Another 30 percent of patients are still alive at five years, although their tumors have come back," says Dr. Johnson. "In this type of disease, a 60 percent five-year survival is significant."

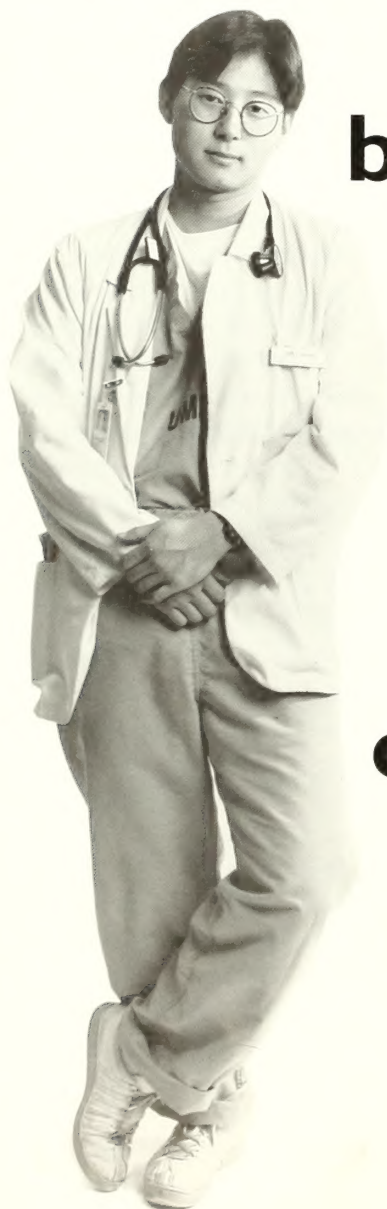
Currently at the University of Maryland Medical Center, cryosurgery

is offered to patients whose tumors are located only in the liver who are not candidates for traditional surgery. The treatment is an option for patients with six or fewer liver tumors, none of which can be bigger than about 2 to 3 inches in diameter.

Physicians at the University of Maryland Medical Center have also been performing cryosurgery for prostate cancer, since September 1993.

- E. B. L., J. B.

A Bold, New Curriculum School of Medicine breaks with time-worn traditions of teaching



by Ginny Cook
photographs by Charles Freeman

Like the proverbial better mousetrap, the School of Medicine is revising its curriculum to build a better physician. Unlike their predecessors who were fashioned from hours of lectures in courses taken concurrently the first two years, future physicians are finding an educational blueprint that replaces traditional study with blocks and reduces lectures by substituting small group teaching, problem-based learning and increased time for self-study.

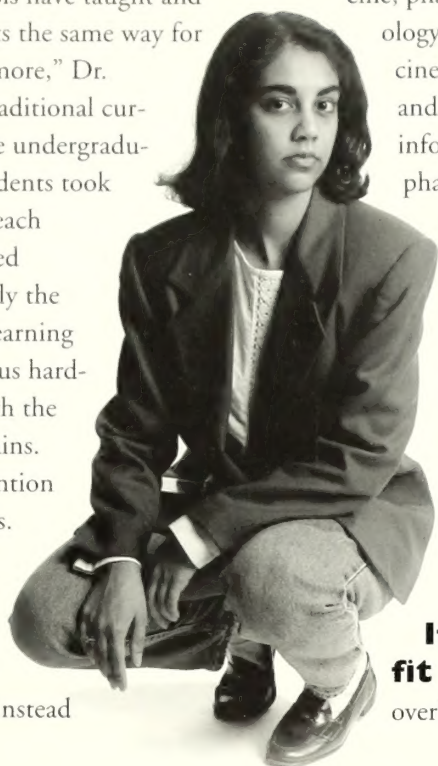
That future is now. The class of 1998—the first-year medical students—were totally immersed in the new medicine last fall. Classes included structure and function, a course that combined anatomy, histology and embryology in a nine-week block and a one-week block in informatics, the science of information processing and communication. Even second-year students have sampled the new format in a medical ethics course that used problem-based learning, student evaluations of their peers and small groups without faculty facilitators. (See page 16.)

The architecture of the new curriculum also calls for easing the tug of war between basic science and clinical medicine. During the first two years of study, medical students study clinically relevant courses and will gain clinical experience by following a panel of patients. And in years three and four they will once again encounter basic science through electives.

Fueled by the LCME, the licensing and creditation arm of the American Association of Medical Colleges (AAMC), the curriculum changes were overdue. "We, as educators, long recognized the need for reform. Many courses had superfluous and overlapping material while indispensable information lacked integration," says Michael T. Shipley, Ph.D., chair of the anatomy department in the School of Medicine. "With the explosion of new knowledge, the traditional way of loading facts became impossible."

Although society and its medical problems have grown increasingly complex,

"most medical schools have taught and trained their students the same way for the last 25 years or more," Dr. Shipley says. The traditional curriculum followed the undergraduate model where students took two to four courses each semester. "It's a flawed model, not necessarily the most conducive to learning because students focus hardest on the course with the next exam," he explains. Attendance and attention suffer in other classes. "When we made the rules that students had to pass the exam, we set up a competitive arena instead



cine, pharmacology and epidemiology and preventive medicine. And "Pathophysiology and Therapeutics" rolls in information from pathology, pharmacology, internal medicine, pediatrics, obstetrics/gynecology, physiology, psychiatry, epidemiology and preventive medicine, the Cancer Center, pediatrics, neurology, and microbiology into a 25-week block.

If it all seems to fit well on paper, overhauling the anatomy, his-

make a difference if the physician hadn't learned this, if your child was brought into an emergency room?

As course content became more clinically relevant, it also became more problem-based. "When we introduced embryology, for example, some discussion would include congenital malformations along with related genetics. We built on knowledge and integrated it within the curriculum," Dr. Shipley points out. Quite a departure from the past when "we just assumed students would integrate the information in their brains."

The structure and function block provided a natural flow from theory to practice. Instructors could cover a topic in lecture, then move to the dissection lab to point out the three-dimensional

*A time-honored touch and tell exercise fell victim to progress.
No longer will students reach behind them and pull wrist or hand bones from a bag and identify them by touch.*

of a learning environment."

In a move to ease the competition, students in the medical school at the University of Maryland will now study one course exclusively and intensely for a set number of weeks. Course material, organized into blocks, merges information from many disciplines and students learn from basic scientists and clinicians—and, in many cases, from themselves.

First-year students take blocks in structure and function, cell and molecular biology, neuroscience, and functional systems. In the second year, an 8-week block titled "Immunology, Host Defenses, Infectious Disease, Epidemiology and Preventive Medicine" integrates information from microbiology, pathology, pediatrics, internal medi-

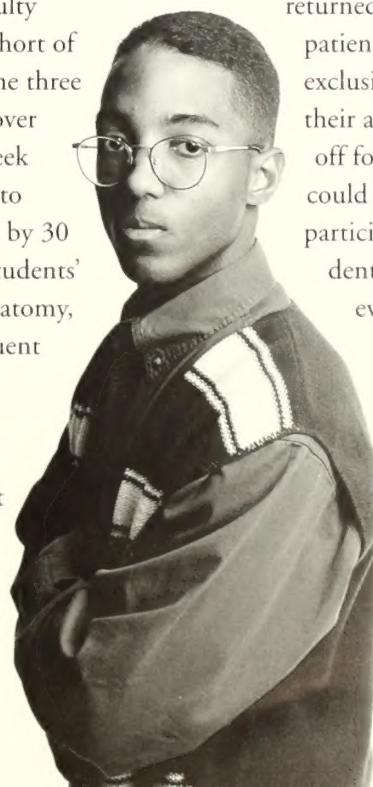
cine, pharmacology and epidemiology and embryology courses required equal parts of "pain, joy and anxiety," Dr. Shipley says. "My faculty responded with nothing short of heroism," as they rolled the three courses, formerly taught over 16 weeks, into one 9.5 week block. The challenge was to reduce the course content by 30 percent yet preserve the students' understanding of basic anatomy, the foundation of subsequent medical knowledge.

"We wanted to keep a rational, clinical perspective," when deciding what to cut, Dr. Shipley explains. So each item slated for elimination had to pass this test: *Would it*

part just discussed. Or molecular structures could be sent to pathology, returned and related to the patient. Students could focus exclusively on one topic because their attention was not siphoned off for some other subject. "We could really see progress and participation among the students," Dr. Shipley says, and evaluations showed the students gave the course high marks.

Jaime Flores, a first-year medical student, believes he learned "more without feeling any pressure" despite squeezing the informa-

continued >



tion from 16 to nine weeks. "I would have felt more rushed with a whole semester" of courses competing for his time, a sentiment, he says, his classmates would echo. "I could focus really hard on anatomy and histology and then move on to biochemistry. The professors helped, too. The tests were very fair," he adds.

The success hinged on intensive faculty interaction, but even before the first student walked into a lab or classroom, instructors had labored over course preparation and text revision. Since December 1993, Charles Barrett, Ph.D. and

Rosemary Rees, Ph.D., both associate professors of

anatomy, have taken a knife to the dissection manual, paring down long anatomical discussions and sticking to plain instructions.

Dr. Barrett couldn't escape the time-intensive task even when flying at 35,000 feet. He made revisions on an airplane with a laptop computer. By necessity, "a lot of the detail has been eliminated or brushed over," notes Dr. Rees. A time-honored "touch-and-tell" exercise fell victim to progress. No longer will students reach behind them and pull wrist or hand bones from a bag and identify them by touch. "We focused on what we had to do, making checklists about what needed to be covered," she says.

While the dissection manual still needs adjustments—some diagrams could be enhanced—student test scores improved using the structure and function block. Only two students needed remediation compared to five to 15 per year during the past five years, Dr. Barrett says.

The anatomy department's struggle with a changing curriculum was paralleled by a similar upheaval in every department in the school. For example, some faculty who taught introduction to clinical practice strug-

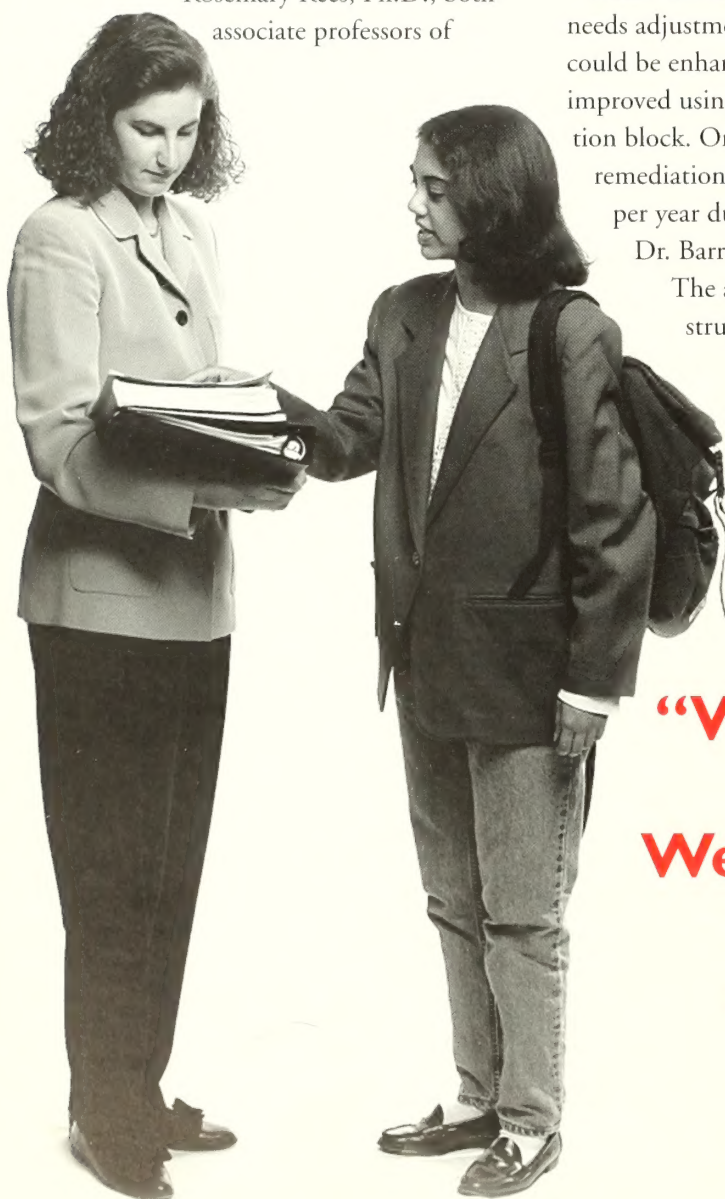
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The painstaking metamorphosis created its share of unsung heroines and heroes too numerous to mention here. "Nobody likes change, but the faculty have been wonderful," says Frank M. Calia, M.D., vice dean of the medical school. The changes evolved over two and one half years "with lots of goading, pushing, shoving and prodding."

It all began in the fall of 1992 when the AAMC

sponsored a workshop on curriculum revision. Dr. Calia attended along with the chairs of medicine, microbiology, epidemiology and the associate deans for resources and medical education. "Even the skeptics in the group came back enthusiastic," Dr. Calia reports. "We became students again. We learned how to learn again and it was fun."

The next step involved a steering committee that appointed seven subcommittees to examine basic sciences, clinical sciences, ambulatory education, informatics, faculty rewards and evaluations. These evaluations included test-



**"We became students again.
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Class demographics show dramatic shifts over past 25 years

Long before the traditional medical establishment embraced a new curriculum, it began welcoming women and minorities into its ranks. Now women make up 48 percent of the total enrollment in the School of Medicine with minorities comprising 15 percent or 99 out of 634 students.

For women the increase has been significant, according to Milford M. Foxwell, M.D., associate dean for admissions. In 1970 there were only 16 women in a class of 137, a total of 11 percent. By 1980 female enrollment had jumped to 30 percent and now nearly half the medical school class is made up of women.

While the school is above the national average in minority enrollments "we would like to continue to increase the percentage of minority students who enroll," he says. But the school itself is hampered because "we cannot compete financially with private schools that offer assistance." In 1994, for example, the School of Medicine accepted 58 minorities with 23 matriculating.

Overall, competition for the 145 spots in the school has become fierce. In 1995, 4,760 applicants are vying for admission compared to 2,000 applicants in 1988. In fact, the school has received roughly 2,000 applications each year since 1970.

Why the increase? Probably the economy, says Dr. Foxwell. While Wall Street was attractive in the 80s, now people are looking for a more stable career and have become more socially minded, he adds.

If applications have sky rocketed, so has tuition. In 1970, tuition was \$850 for an in-state students compared to a \$10,000 bill today. Out-of-state students paid \$1,150 in 1970 but now find a tuition bill that totals \$20,000.



Bracing for an information "explosion"

The University of Maryland School of Medicine is the country's first medical school to make informatics training an integral, required part of the curriculum. The Class of 1998 was the first to participate in a week-long "boot camp" in medical informatics, learning how to access information and use it to deliver a high level of patient care.

ing and evaluating curriculum changes. "I think we've been very successful in revising the curriculum in the first two years and we're making progress in the clinical years. We opened up avenues of communication that didn't exist before," Dr. Calia says. Plans call for a clinical clerkship in family medicine in response to the shift to primary care medicine in health care. In addition, there will be an increased emphasis on ambulatory education, where students will gain experience with outpatients in doctors' offices and clinics, with continuity and follow-up. "We also hope to revisit the basic sciences in the clinical years," he adds.

As course content was redrafted, so were the guidelines for promotion and tenure. Medical school faculty have always had to balance the conflicting demands of teaching and research. Teaching, however, never figured into the tenure equation like grants and research publications. That will change

as "we must reward teaching excellence when granting tenure," Dr. Calia says.

While the first round of curriculum changes is far from perfect, "we'll fine-tune the errors, identify our successes and enhance them," he says. The real test will come when students take the three-part national board exams given after the second year, the fourth year and internship. These exams are not curriculum-based, says Dr. Calia, but are the only road to a medical license.

Other schools with revised curricula posted lower board scores, probably a result of taking a test that measures traditional disciplines, he says. As a member of the committee who oversees the content of the second part of the test, Dr. Calia hopes to adjust the test format to reflect the changing curriculum in medical schools around the country.

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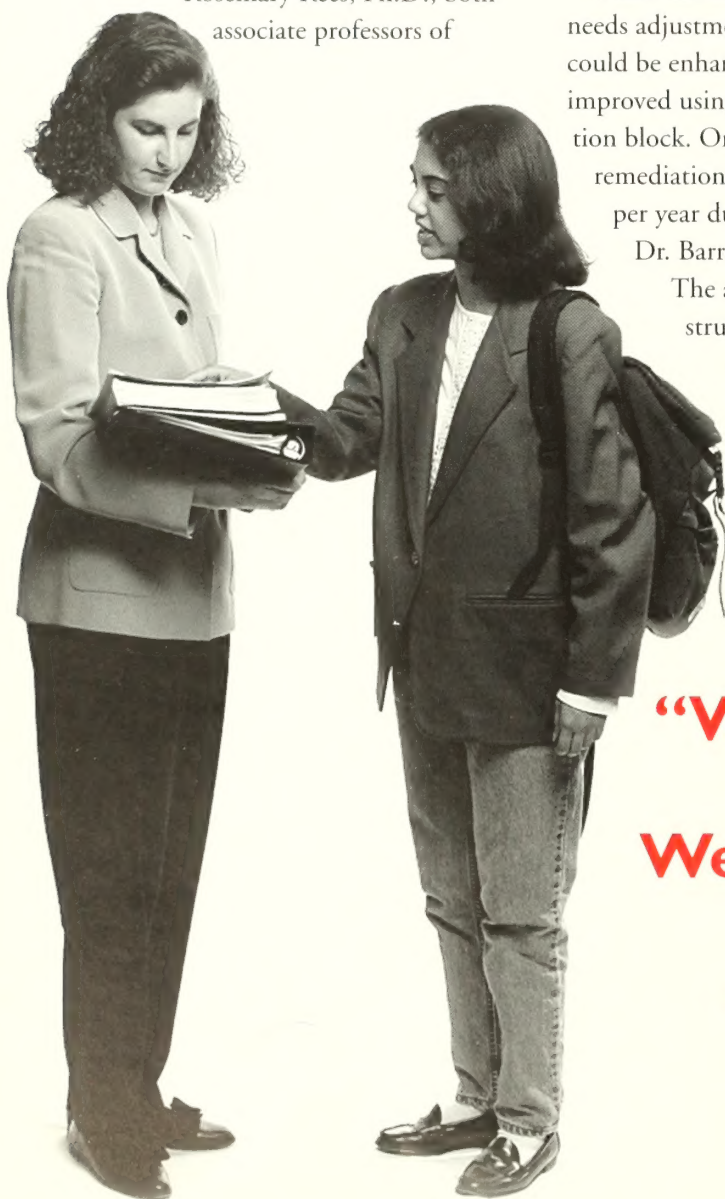
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At-a-Glance The

“Old” Curriculum (1993-1994)

The traditional curriculum followed the undergraduate model where students took several courses each semester, often in large lecture halls. The first two years focused mainly on basic sciences; the remaining two years were generally the “clinical years.”

YEAR I

Fall Gross Anatomy
Histology
Embryology
Biochemistry
Intimate Human Behavior
Behavioral and Social Science *

Minimesters (January and June)

Spring Physiology and Biophysics
Neurosciences
Genetics
Biostatistics
Introduction to Clinical Practice

YEAR II

Fall Microbiology
Pathology *
Pharmacology & Experimental Therapeutics *
Physical Diagnosis *
Introduction to Clinical Practice *

Minimester (June)

January Block Teaching
Psychopathology
Epidemiology & Preventive Medicine

YEAR III

Medicine	12 weeks
Surgery and Surgical Subspecialties	12 weeks
Pediatrics	6 weeks
Psychiatry	6 weeks
Obstetrics & Gynecology	6 weeks
Radiology/Ophthalmology **	4 weeks
Neurology/Rehab Medicine **	4 weeks

YEAR IV

Electives	16 weeks
Student Internship (Medicine, Surgery, Pediatrics or Family Practice)	8 weeks
Ambulatory Care (Medicine, Pediatrics or Family Practice)	8 weeks

* Year-long course

** One in third year; one in fourth year

Old and the New

YEAR I

BLOCK SCHEDULE - 37 weeks

I Informatics	1 week
II Principles of Human Behavior	1 week
III Structure and Development	9.5 weeks
IV Cell and Molecular Biology	9.5 weeks
V Neurosciences	6 weeks
VI Functional Systems	10 weeks

YEAR II

BLOCK SCHEDULE - 33 weeks

VII Immunology, Host Defenses, Infectious Disease, Epidemiology & Preventive Medicine (Microbiology, Pathology, Pediatrics, Internal Medicine, Pharmacology Epidemiology & Preventive Medicine)	8 weeks
VIII Pathophysiology and Therapeutics (Pathology, Pharmacology, Internal Medicine, Pediatrics, Obstetrics/Gynecology, Physiology, Psychiatry, Epidemiology & Preventive Medicine, Cancer Center, Pediatrics, Neurology, Microbiology)	25 weeks

STUDY FOR BOARDS - 5 weeks

YEAR III

46 weeks * (tentative schedule)

Medicine Clerkship	12 weeks
Surgery Clerkship	12 weeks
Family Medicine Clerkship	4 weeks
Obstetrics/Gynecology Clerkship	6 weeks
Pediatric Clerkship	6 weeks
Psychiatry Clerkship	6 weeks
Radiology/Ophthalmology or Neurology/Rehabilitation Medicine **	4 weeks

* Clerkship time frames to be adjusted to equal 46 weeks

** 4 weeks may be rotated in fourth year

YEAR IV

36 weeks (tentative schedule)

Ambulatory Care	8 weeks
Sub-Internship	8 weeks
Radiology/Ophthalmology or Neurology/Rehabilitation Medicine	4 weeks
Electives	16 weeks

New Curriculum (1994-1995)

New students at the University of Maryland School of Medicine now study one course exclusively and intensely for a set number of weeks. Course material, organized into "blocks," merges information from many disciplines. The number of large lecture-style classes has been reduced and replaced by small group teaching, problem-based learning and increased time for self-study.

Farewell to Lectures?

Small groups, problem-based learning, and peer evaluations characterize the new approach to teaching medicine

They are young, bright and ambitious and will soon leave to confront the medical problems of the next century. These future physicians will graduate from medical school with a unique legacy, educated and trained under a new curriculum radically different from what defined and shaped doctors in the past.

For now these second-year medical students sit in a 14th floor conference room in the Bressler Research Building grappling with the ethical issues they will encounter daily as physicians in offices, hospitals and clinics. The eight women and one man make up one of the small groups in a revised medical ethics class, a course that uses problem-based medical education, student evaluations of their peers and small groups without faculty facilitators.

Traditionally, students at the University of Maryland School of Medicine taking the ethics course would have listened to eight to 20 hours of required lectures and then taken a final exam. "However various scholars suggest that problem-based and small group learning are more effective in promoting long-term retention of material," says course master Timothy J. Keay, M.D., assistant professor of family medicine. Others have found "that case-study discussions are more effective than lecture in improving the medical students moral reasoning."

The curriculum changed slowly over the years. Small groups were added in 1992. Now the course has 10 required hours with seven devoted to small group meetings where

students research then discuss ethical issues. Topics include abortion, financial conflict of interest, withdrawing life-sustaining medical treatment of a patient in a persistent vegetative state, welfare of patients versus business interests of health maintenance organizations, rights of patients who refuse medical treatment, research consent and sexual ethics.

Today, the students present findings on cases that include informed consent and sexual relationships with patients.

"Students appreciate being treated as adult learners with values and knowledge of their own."

Using texts and journals from the medical and law libraries, their reports earn almost universal approval from peers after some discussion. When a dilemma arises and the group cannot reach a consensus, a student is sent two floors below to consult the course master, who is available if needed during group sessions.

The overall goal of the curriculum is to provide an introduction to medical ethics while still allowing students to study selected areas of interest in greater depth. They gain more knowledge about ethical issues, the positions others take and become ready to encounter and deal with these issues in their clinical years. They also develop clinical rea-

soning and become familiar with resources for acquiring information.

The results are impressive.

Students give the course high marks and receive significantly high marks themselves on the final exam. In a review of past courses using the small group format, Dr. Keay found "test scores on the initial quiz were equivalent to prior year scores of other medical students. The scores on the final exam, however, were significantly better than previous years."

In addition, students give enthusiastic evaluations and "appreciate being treated as adult learners with values and knowledge of their own," he adds. Second-year student Camille Jones says, "It's easier to ask questions when the instructor is only three feet away." Rahel Gebrehiwot feels less intimidated. "I'm too shy to ask questions in a large class," she says.

Students also become adept at reviewing their peers by evaluating each other in the course. Negative rankings, while rare, are corroborated by all students in the group and correlated with low test scores, according to Dr. Keay. For the last hour of the course, the entire class meets to hear Dr. Keay analyze and review the ethical issues. Although it is not required, the lecture hall is packed. "There is nearly 100 percent attendance at this final lecture," Dr. Keay notes. Before, when the class was nothing but lecture, "maybe you would have six students attend, and three of them would be sleeping."

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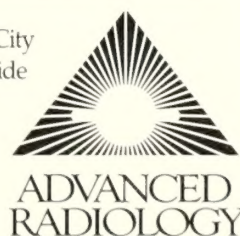
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Profile

Reaching out to the homeless

Howard County physician leads grassroots effort to bring health care to needy patients



Internist Gary Milles, M.D. '80 has put forth a challenge to his colleagues in Howard County, Md. In an effort to help homeless and needy patients,

Dr. Milles is recruiting physicians to provide free medical care.

The response has been outstanding. More than 50 physicians are currently participating in the *Physician Alliance for Patients in Need*.

"Howard County is a small and an affluent county, but there are many homeless and destitute people here," says Dr. Milles of the growing county halfway between Baltimore and Washington, D.C.

"Organizations such as Grassroots see them. County teachers have told me about getting food for them. Some aren't seen at all. They are hidden away in

small homes and apartments. We want to provide access to care, not just for the homeless, but for others who have no insurance, for the people who fall through the cracks. We can't sit around and wait for the government to do something."

Dr. Milles' county-wide effort asks each participating doctor to become responsible for the continuing care of one needy patient. Specialists are available for those who require more than routine and preventive care. He feels strongly that the effort begin without waiting for additional planning—and that problems be worked out as they arise.

The challenge arose when a group of students from Howard Community College approached Dr. Milles about addressing the homeless issue. The timing was right. Dr. Milles had been thinking about the current chaos in health care and considering how an individual could make a difference.

"I thought about what's important in life and reexamined the desire to help others—which motivates most of us to become physicians," says Dr. Milles. "I recalled the 'patient comes first' attitude of old-time physicians and thought about how easy it is to lose track of the

people just trying to survive," he recalls. Then, last year, when he served as president of the Howard County General Hospital Professional Staff, Dr. Milles saw the significant contribution made by members of the Volunteer Auxiliary to the Hospital. "All these volunteers work for nothing. Why couldn't we doctors do it, too?"

What started as one man's vision quickly became a community undertaking. "The last 10 just called me on their own. They heard about it from someone else. Someone even stopped me in the parking lot to let me know we could count on him," Dr. Milles reports. In addition, he has lined up free laboratory services with Maryland Medical MetPath laboratory and is now seeking free x-rays.

This group of concerned physicians already includes internists, cardiologists, obstetricians, gynecologists, pediatricians and family practitioners. Several doctors have already seen patients. Pleased with the response of the medical community, Dr. Milles sees as his biggest challenge the verification that those individuals requesting the free services are truly needy.

"I know it's risky, and a number of logistics have to be worked out. There are problems of appropriate lines of

"All these volunteers work for nothing. Why couldn't we doctors do it, too?"

basics in the current chaotic health care environment which emphasizes competition and not cooperation."

With master's degrees in anthropology and public health in addition to his medical degree, Dr. Milles is pursuing lifelong concerns in his plan to help the homeless. Working in clinics in medical school and in his residency, he met up with needy people who had little or no money for essential medical care. "I began to know them as good, normal

access to care and providing the costly services. But it is exhilarating to find so many doctors happy for the chance to serve the community. They must feel as I do—that by doing something for nothing, we are going to end up a little richer."

- Jo Ann G. Stolley

Class Notes

•1925

Joseph Nataro of Pompano Beach, Fla., received birthday greetings on his 96th from five U.S. presidents. He plans to attend his 70th medical school reunion this spring with son, Frank, '55.

•1932

Arthur J. Statman of Whiting, N.J., retired from practice in 1986 and is a flautist with the Crestwood Symphonette, an orchestra comprised of 50 retired musicians who perform at New Jersey retirement communities and civic affairs.

•1937

Jack H. Woodrow of Sarasota, Fla., retired in good health last fall after practicing otolaryngology and head and neck surgery for 52 years in Yonkers, N.Y.

•1941

Benjamin Pasamanick of Schenectady, N.Y., was honored by the World Association of Psychosocial Rehabilitation at the United Nations in November. Dr. Pasamanick received the Scientific Distinction Award and was recognized as a pioneer in the use of community-based psychoeducation and rehabilitation for schizophrenia and as the author of *Schizophrenics in the Community*. He is a research professor of psychiatry at New

York University Medical Center.

•1942

Joseph Wallace is living in York, Pa., since his retirement in December 1991.

•1943 M

Robert C. La Mar Jr., of Snow Hill, Md., has been practicing general medicine on the Eastern Shore for 51 years.

Irving L. Samuels of Eastham, Mass., retired in June and lives in Cape Cod.

1943 D

Dharma Luz Vargas is retired and living in Rio Piedras, Puerto Rico, after 43 years of practicing pediatrics and a 31-year professorship at the University of Puerto Rico School of Medicine.

•1945

Leonard Kurland of Rochester, Minn., is a professor of epidemiology at the Mayo Medical School and the Mayo Graduate School of Medicine. He retired last September after 30 years with the institution's department of medical statistics, epidemiology and population genetics, which he founded.

•1949

John E. Strahan of Towson, Md., is serving a second term on the Board of Physician

Quality Assurance with the Maryland State Department of Health and Mental Hygiene. Strahan also serves on the Governor's Committee for Employment of the Handicapped and the Commission on Complementary Medical Methods.

•1951

Harvey P. Wheelwright of Ogden, Utah, is widowed and continues practicing psychiatry full time.

•1953

Joseph F. Palmisano of Baltimore, Md., when he isn't practicing medicine, is traveling and enjoying life with wife, Mary Kathleen, and spending time with their four grandsons.

•1963

Manfred K. Joeres of Olympia, Wash., explored the psychiatric medical systems of Germany, Russia and France while on sabbaticals in 1993 and 1994, which provided valuable insight into cultural differences and similarities with clinical and fiscal challenges faced by foreign colleagues. **Neal J. Prendergast** and wife, Joy, of Las Vegas, Nev., have three sons: Neal Jr., a 4th year urology student at Duke; Patrick, who lives and works in Richmond, Va.; and John Gerald, a senior in engineering at Ohio State.

Eugene J. Wolski of Burgess, Va., is a naval captain serving as officer-in-charge of the Admiral Joel T. Boone Branch Clinic in Little Creek, and is special assistant to the director of ambulatory care at Community Health Services at the Naval Medical Command in Portsmouth.

•1964

Albert Bernard Pleet of Springfield, Mass., is chief of neurology at the Baystate Medical Center. He is also a professor of neurology, chair of the faculty affairs committee, and sits on the department's executive committee at Tufts University School of Medicine in Boston. **Thomas J. Porter** of Anchorage, Alaska, directs the division of medical assistance for the state.

•1967

Joseph I. Stapen of Santa Barbara, Calif., is associate medical director at Pacific Shores Hospital in Oxnard.

•1969

Ronald L. Elson of Berkeley, Calif., has a private practice, is chief of psychiatric services at the University of California-Berkeley Health Service, and is vice chairman of the department of psychiatry at Alta Bates-Herrick Medical Center. He enjoys life with his 6-year-old child and 3-year-old step

Class Notes

grandchild. **Ronald R. Parks** of Baltimore, Md., has opened a new office for psychiatry and behavioral medicine in Pikesville and, as a result of his continuing interest in holistic medicine, is affiliated on a part-time basis with a practice dedicated to nutrition and preventive medicine.

•1970

Howard R. Kanner of Pittsfield, Mass., is past president of the Massachusetts Orthopedic Association and was an instructor at the American Academy of Orthopedic Surgeons' annual meeting in February. **Donald L. Leass** of Woodlands, Texas, is an assistant clinical professor at Baylor College of Medicine and at the University of Texas School of Medicine. Dr. Leass and wife, Barbara, have a daughter, Samantha, who graduated from Brandeis with a degree in English. Their other daughter, Kimberly, is in her first year of premed at the University of Texas. **Louis A. Shpritz** of Owings Mills, Md., is chief in the division of urology at Harbor Hospital in Baltimore. Dr. Shpritz is president-elect of the Medical Alumni Association Board of Directors.

•1971

Sachiko T. Cochran of Pacific Palisades, Calif., is professor of radiological sciences at UCLA School of Medicine. She chairs the American College of Radiology Quality Assurance Committee and UCLA's Committee on Rules and Jurisdiction. Dr. Cochran represents the American College of Radiology on the joint commission of accreditation of healthcare organizations' professional and technical advisory committee for hospital accreditation programs. **Michael J. Maloney** of Cincinnati, Ohio, is an endowed Othilda Krug professor in child psychiatry (one of 10 in the country) and a specialty fellow in the American Academy of Pediatrics. Dr. Maloney is the director of child psychiatry and psychology at Children's Hospital Medical Center.

Robert J. Neborsky of Rancho Sante Fe, Calif., is associate editor for the *International Journal of Short Term Dynamic Psychotherapy*.

•1972

Irvin M. Cohen of Paradise Valley, Ariz., sold his private practice a few years ago and joined the Mayo Clinic in Scottsdale where he is a senior associate consultant and an assistant professor of medicine at the Medical School. **Karen S. Fountain** of New York,

N.Y., is a fellow of the American College of Radiology. She is an associate clinical professor of radiation oncology at Columbia University, a member of the radiation oncology committee of the New York State Radiological Society, a delegate to their board of directors from the New York Roentgen Society, and an alternate delegate representing the state to the annual American College of Radiology meeting. **William Merritt** of Phoenix, Md., is an associate professor of anesthesiology at Johns Hopkins Hospital and co-

chaired a symposium on liver transplantation anesthesiology at the 1994 ASA meeting in San Francisco. Automation of information management in anesthesiology is also of interest to Dr. Merritt.

•1973

Murray A. Kalish of Baltimore, Md., is president-elect of the Baltimore City Medical Society with the distinction of being the first anesthesiologist ever elected to hold that office. Dr. Kalish is secretary of the Medical Alumni Association board of directors.



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•1974

Barry S. Gold of Baltimore, Md., has been invited to speak at the Pasteur Institute in Paris in June on clinical manifestations of snakebite envenomization.

•1976

Richard M. Dashieff of Lubbock, Texas, is director and a professor of neurology at Texas Tech University Health Sciences Center. He and wife, Sandra, have been married for 20 years and are the parents of Steven, 12, and Barbara, 8.

Bruce A. Silver of Silver Spring, Md. and wife, Malane, announce the birth of their

daughter Skye, born in October.

•1977

Willarda V. Edwards of Baltimore, Md., is president of the Baltimore City Medical Society, the first woman to hold the office. She is also a member of the Medical Alumni Association's board of directors. Richard B. Silver of Tampa, Fla., presented "Cardioplegia in Open Heart Surgery: Warm or Cold" and "Efficacy of Harvesting Autologous Platelet Rich Plasma in Patients Undergoing Coronary Artery By-Pass Granting" at the 88th Annual

Scientific Assembly of the Southern Medical Association.

•1978

G. Howard Bathon of Baltimore, Md., practices orthopedic surgery in Fallston, Md. Joan M. Bathon of Baltimore, Md., is an associate professor of medicine at Johns Hopkins University in the division of rheumatology. They have two children, Katie, 11, and Christopher, 9. Jay G. Prensky of Camp Hill, Pa., completed two marathons within a single year: a Marine Corps run in October 1993 and the Boston Marathon in April 1994. His wife, Colleen, is coaching soccer and their two children, Colin, 9, and Mia, 7, are doing great. Donald L. Steinweg of Rockville, Md., is associate dean for clinical services at the Uniform Services University for Health Sciences.

•1979

William F. Obrecht of Whiteville, N.C., is practicing anesthesiology and critical care medicine privately after completion of a residency in anesthesiology at Duke in 1992, where Mike Gorbach, '79, was his attending.

•1981

Lorinda Richardson of Kennedale, Texas, is regional director of operations and clin-

ical affairs at Kaiser Permanente in Dallas after practicing family medicine there for six years. Ninety percent of her practice is administrative. She and husband, J. W. Glover, have three sons ages 8, 4, and 18 months.

•1982

J. Philip Hall of Altoona, Pa., is the National Health Service Corp's nominee for its Region III service award for his nine years of continuous service in health manpower shortage areas. Rebecca Love of Ruxton, Md., is practicing emergency medicine at St. Agnes and Franklin Square

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Hospitals in Baltimore and confers regularly with several classmates. Dr. Love has three children. **Harry S. Strothers** of Atlanta, Ga., is an associate professor and director of Morehouse School of Medicine's residency program.

•1983

Scott D. Hagaman of Columbia, Md., is serving a one-year term as president of the Maryland Association of Private Practicing Psychiatrists, and chairs the legislative committee of the Maryland Psychiatric Society.

•1984

Leroy M. Schmidt of Cockeysville, Md., formed Orthopedic Specialists of Maryland, located in the physicians' pavilion at the Greater Baltimore Medical Center. The five-member group includes **Stewart Koehler**, '78, and **Ray Willstadt**, '88.

•1986

Catherine Ann Daum of Wilmington, N.C., is in her third year as chief of staff at the Cape Fear Memorial Hospital, following two years as chair of the department of medicine. She and husband, **Calvin Cross**, enjoy living on the beach and are expecting their first child in April. **Michael S. Lifson** of Baltimore, Md., and wife,

Holly Ann, say their practice of Akman and Lifson continues to grow as does son, **Max**, who is in kindergarten.

•1987

Elizabeth Roberta Hatcher of Topeka, Kan., is a board-certified psychiatrist and is practicing at the Menninger Clinic as a team leader in the trauma recovery program. Coursework for psychoanalysis was completed at the Topeka Institute last June, making Hatcher an advanced candidate. **Betty Anne Kyser** of Ellicott City, Md., husband, **Ken**, and their 2-year-old son, **Cory**, announce the birth of **Lindsay** and **Jenny** born April 18, 1994. **Joy Felicia Slade** of Atlanta, Ga., is a partner with Paragor Emergency Physicians in Marietta. She will marry **Edward Faria** in May.

•1988

Margaret S. Chisolm of Baltimore, Md., is a faculty member at Johns Hopkins School of Medicine where she completed her residency in forensic psychiatry and was chief resident in 1992. She has a small practice in general psychiatry. Dr. Chisolm and husband, **Richard**, have a son, **Jasper**, who was born on Valentine's Day 1993. **Donald O. Kreger** has joined the staff of the University of South Dakota's department of ob/gyn

as assistant professor and director of assisted reproduction after completing a fellowship in reproductive endocrinology and infertility. He and wife, **Jill**, live in Sioux Falls with children **Jesse** and **Alexandra**.

•1989

Susan B. Brinkley has a new home in New Market, Md., with four dogs, seven horses and one on the way. She practices in Frederick. **Daniel L. Croteau** of Chicago, IL, is section chief of vascular/interventional radiology at Harper Hospital/Detroit Medical Center and is an assistant pro-

fessor of radiology at Wayne State University. He and **Shannon Stacherski** of Michigan will marry next September. **Joel H. Hassman** lives in Eldersburg, Md., with wife, **Hildy**, and daughters **Elizabeth**, 4, and **Shari**, 1. He works at Carroll County Mental Health and practices privately in Ellicott City and Columbia.

•1990

Allen W. Kleinberg of Baltimore, Md., announces the birth of **Alexander David** in July. **Jeffrey Rosenfeld** of Atlanta, Ga., is a faculty mem-

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Class Notes

ber in the department of neurology at Emory University, subspecializing in neuromuscular disease.

•1991

Jason A. Dominitz of Durham, N.C., and wife, Dr. Josephine C. C. Young, are expecting their first child in September. Dominitz's concurrent fellowships in gastroenterology and health services began last summer at Duke. **Jennifer Hollywood** practices family medicine in Easton, Md. **Chuka B. Jenkins** is chief ob/gyn resident at the Catholic

Medical Center of Brooklyn and Queens and will begin a fellowship in maternal-fetal medicine at Georgetown University in July. Dr. Jenkins and wife, Carol, are the parents of Joshua, 2, and Hannah, 6 months. **Lorrie Mello** is practicing pediatrics with a small group in Chester, S.C., and is now a first-time homeowner. **Kelly Przylepa** of Catonsville, Md., is a fellow in medical genetics at Johns Hopkins Hospital after completing a residency in pediatrics at St. Christopher's Hospital for Children. She and husband,

Richard Moore, '94, are the parents of Xandra, born in December 1993.

•1992

Wendell McKay of Maple Shade, is chief resident of pediatrics at Children's Hospital in Philadelphia. He and wife, Kim, expect their first child in May. **Joyce Owens** of Lothian, Md., and husband, Patrick Rodriques, announce the birth of Samantha on August 5. **Elizabeth Scarito** of White Hall, Md., is nearing the end of her York Hospital residency in internal medicine and plans to spend some time catching up with her family. She anticipates practicing primary care in early 1996.

•1993

Kathryn M. Connor of Durham, N.C., is serving a three-year residency in psychiatry at Duke. Her husband, **Thomas J. Lavelle IV**, is a 1992 graduate of the University of Maryland Law School. Connor is the daughter of **Thomas B. Connor**, '46, of Baltimore.

•1994

Richard Moore of Catonsville, Md., enjoys being a research scientist at the medical diagnostics company of IGEN. He and wife, **Kelly Przylepa**, '91, are the parents of Xandra, born in December 1993.

Keep in Touch

We enjoy hearing from alumni and hope you enjoy reading about the avocations, professional accomplishments and personal milestones of your colleagues. Please help keep us informed. Write to Class Notes Editor, Medical Alumni Association, 522 West Lombard Street, Baltimore, Md. 21201-1627. Or, get in touch by phone, 410-706-7454, or FAX, 410-706-3658.

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In Memoriam

Jacob M. Seibel, '29

Buffalo, N.Y.

November 7, 1994

Dr. Seibel practiced in Queens. He retired in 1974 and moved to Tamarac, Fla., where he resided for several years before returning to New York.

Among those surviving Dr. Seibel is his daughter, Amy Tam Seibel, of Buffalo.

Lester M. Goldman '30

Newark, N.J.

July 26, 1994

Dr. Goldman interned, served a residency, and practiced clinical pathology and hematology at Newark Beth Israel Medical Center. He chaired the research program at that institution and was an associate professor at New Jersey College of Medicine. Dr. Goldman enjoyed playing the violin.

Myron L. Kenler '33

Lauderhill, Fla.

July 28, 1994

Dr. Kenler interned at Jamaica Hospital in Queens and served residencies at the Wyckoff Heights Hospital in Brooklyn and Elm Hurst General Hospital in New York City. He was a devoted general practitioner in New York for 35 years. In 1968, he moved to Florida and joined the faculty of the University of Miami Medical School. In retirement, Dr. Kenler became active in

community affairs and served on the council of the Institute of Retired Professionals. On the occasion of the 50th medical school reunion in 1983, he established the Myron L. Kenler Library Fund. Among those surviving Dr. Kenler is his wife, Rosalind.

John C. Hamrick Sr. '35

Shelby, N.C.

September 10, 1994

Dr. Hamrick interned and was a resident in surgery at University of Maryland Hospital. He was an honorary lifetime trustee at Wake Forest University, a lifetime member of the North Carolina Medical Society, and a former president of the North Carolina Surgical Society. Dr. Hamrick was affiliated with Cleveland Memorial Hospital, Shelby, and served that institution as a multiple term trustee, chief of staff, and chief of surgery. He was a longtime associate surgeon with the Southern Railway System. In his leisure, Dr. Hamrick enjoyed hunting and fishing. He is survived by two daughters and a son who is an orthopedic surgeon.

Lewis C. Herrold '35

Mt. Wolf, Pa.

October 13, 1994

Robert A. Bonner Jr. '38

Kalaheo, Hawaii

August 17, 1994

Dr. Bonner interned at St. Mary's Hospital in Waterbury, Conn., where he would later perform as chief of surgery. He served residencies at Franklin Square Hospital in Baltimore, Md., U.S. Marine Hospital in Brighton, Mass., New York Medical College Basic Science of Surgery, and Meadowbrook Hospital in Hempsted, N.Y. World War II interrupted his medical career as Dr. Bonner saw duty with the Coast Guard. Following the war, Dr. Bonner returned to surgical research and solo practice. His scientific interest was centered about the field of general surgery and he published an article relating to hernia repair in children. He was a fellow in the American College of Surgery and a member of numerous medical societies. In 1978, he retired to the Garden Isle of Hawaii. Dr. Bonner's father, Robert A. Sr., was a member of the class of 1912 and his maternal grandfather, Dr. James Cooke Morton, was a member of the class of 1897.

John M. Scott '38

Baltimore, Md.

December 26, 1994

Dr. Scott's internship at Maryland General Hospital in

Baltimore was followed by three years as a resident in medicine at New York Hospital. Dr. Scott was inducted into the Army in 1942 and served as a doctor in the South Pacific, attaining the rank of major. He returned to Baltimore after the war to practice internal medicine on the staffs of Johns Hopkins Hospital, Union Memorial Hospital and the Greater Baltimore Medical Center. From the late 1950s until his retirement, Dr. Scott taught at the Johns Hopkins Medical School. Dr. Thomas Turner, former dean of the school, remembers Dr. Scott as "a very respected and effective internist." Dr. Scott is survived by his wife, two sons and four grandchildren.

Carl E. Rothschild '40

Englewood, N.J.

November 30, 1994

Dr. Rothschild served an internship at Mt. Sinai Hospital in Cleveland and began his residency in orthopedics, which was interrupted by World War II. Dr. Rothschild served C.B.I. in the Army Air Force Service Command. At the end of the war, he returned to New York City and completed his orthopedic training at the Hospital for Joint Diseases. Dr. Rothschild's first

In Memoriam

office was established in New York City and his second in Englewood, N.J. He became an attending at the Englewood Hospital and Bergen Pines Hospital. An avid tennis player, Dr. Rothschild was a founder and major owner of the Tenaflly Racquet Club. As he was very interested in the fine arts, much of Dr. Rothschild's spare time was spent visiting art galleries. He studied sculpture with private instructors at the Art Center of Northern New Jersey, where he began working with stone. He is survived by his wife, a son, a daughter-in-law and two grandsons.

Raymond K. Thompson '41
Baltimore, Md.

December 10, 1994

Dr. Thompson completed his internship and residency at the University of Maryland Hospital. He entered the military through the Naval Reserve and served as a neurosurgeon at both the U.S. Naval Hospital, Newport, R.I., and the National Naval Medical Center in Bethesda until 1946 when he returned to University Hospital as resident neurosurgeon. He served as president of the University Hospital Medical Board, and simultane-

ously held positions as chief of the departments of neurosurgery at three other Baltimore hospitals. Dr. Thompson attained countless honors and international recognition. He was active in and honored by no less than 22 domestic and foreign medical societies and organizations. He served as president of the Neurological Society of America and was a lifetime honorary president of the World Federation of Neurosurgical Societies. Last October, the Congress of Neurological Surgery honored Dr. Thompson for his dedication to the organization since its founding in 1951. He was husband to the late Patricia W. Thompson and is survived by an uncle, Alf R. Thompson of Effingham, Ill.

Van Boring Bennett '42
Valdosta, Ga.

June 7, 1993

Dr. Bennett served in the South Pacific with the Army during World War II. In 1951, he began to practice in Valdosta and Burnsville, Ga., until retirement in 1982. He was on the staff of the South Georgia Medical Center in Valdosta and a member of the American College of Emergency Physicians. Dr. Bennett was president of the Boys and Girls Club, the Valdosta

Country Club and a member of the South Georgia Seniors Golf Association. Surviving Dr. Bennett is his wife, a brother and three sisters.

Ruth W. Baldwin '43D

Baltimore, Md.

December 13, 1994

Dr. Baldwin was an intern, assistant resident and resident in medicine at West Baltimore General Hospital from 1944-1946. She was assistant resident in pediatrics at University Hospital for the next two years before going on to a postdoctoral fellowship at Harvard University. Dr. Baldwin began her career at the University of Maryland Medical School in 1949. In addition to her work as head of the seizure unit, which she established in the early 1950s, Dr. Baldwin also served as director of the University's Clinic for the Exceptional Child. In 1962, she and Dr. Samuel P. Bessman discovered the causes of cerebromacular degeneration, an ailment that leads to loss of sight at an early age. For more than 15 years, Dr. Baldwin headed the medical advisory board at the Maryland State Motor Vehicle Administration, which advises the MVA on drivers with medical conditions and those convicted of driving while intoxicated. Dr. Baldwin was a fellow of the American Academy of Pediatrics and an

associate member of the American Academy of Neurology. The Ruth W. Baldwin Visiting Professorship in Pediatrics was established by Dr. Baldwin at the School of Medicine in 1987. Survivors include her husband, four sons and 10 grandchildren.

Talmadge S. Thompson '43D
Bandera, Texas

September 30, 1994

Dr. Thompson interned at University Hospital in Baltimore, Md.. He became president and chief of staff at Venice Memorial Hospital in Florida and was affiliated with Sarasota Hospital. He served as president and secretary-treasurer to the Sarasota County Medical Society. Dr. Talmadge retired in 1982 and enjoyed his fall garden, running, golfing, and piloting his Cessna 210. Among those surviving Dr. Talmadge is his daughter, Barbara Keller, of Sioux Falls, SD.

Jesse H. Arnold '46

Edenton, N.C.

April 3, 1993

Malcolm F. Freed '54

Pikesville, Md.

November 19, 1994

Dr. Freed interned at Sinai Hospital in Baltimore. During

In Memoriam, continued from page 26

his career, he was affiliated with Sinai Hospital and Baltimore Country General Hospital as an attending, and North Charles General Hospital as chief of gynecology. Dr. Freed closed his private practice in 1993 and practiced with the Johns Hopkins Health Care System for one year before retiring. He was a member of the American Board of OB/GYN, American College of OB/GYN, Baltimore County Medical Society, and the Maryland State OB/GYN Society. Survivors include his wife, a daughter and a son.

Charles C. Welling '55
Bountiful, Utah
October 8, 1994

Dr. Welling completed an internship at Highland Alameda County Hospital, a general surgery residency at Southern Pacific Hospital, and later a pediatric residency at the University of Utah. During World War II, he served as a medical corpsman in the Navy. Following the war, Dr. Welling went on a Latter-day Saints mission to Mexico and was among the first missionaries assigned to Guatemala. Dr. Welling was a pediatrician in the Salt Lake area for 38 years. He was medical staff president of Primary Children's Hospital, president of the Intermountain Pediatric Society, chairman of

the department of pediatrics at Latter-day Saints Hospital and Primary Children's Hospital, and chair of the Utah Chapter of the American Academy of Pediatrics. Dr. Welling was a clinical professor of pediatrics at the University of Utah School of Medicine, and was named president of the Salt Lake City Medical Society last year. Surviving family include his wife, three sons and a daughter.

William M. Palmer '56
Salt Lake City, Utah
October 27, 1994

Robert C. Macon '58
Rockville, Md.
November 24, 1994

Straty H. Economon '60
Falls Church, Va.
November 28, 1994
After completing the requisite residency requirements, Dr. Economon enjoyed a successful practice in psychiatry for over 30 years in Falls Church. He retired in 1988. Surviving family include his son, two sisters, nephews, nieces and a grandnephew.

*Memorial gifts may be made to:
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Notice to all Members

The Bylaws Committee of the Medical Alumni Association has recommended the following changes to the bylaws. New language is indicated in red type. The board discussed this recommendation on January 4 and a final vote will be taken at the Annual Meeting on Saturday, May 5, at 10:00 a.m., in Davidge Hall. Please contact the executive director or any member of the board of directors prior to May 5 with your comments.

Article VII, Section 1.

g. Nominating

- (1) The purpose of the committee shall be to select and present to the association at the annual meeting, a slate of nominees of active members of the association in good standing, for the offices as outlined in the bylaws including three nominees as members of the board of directors.
- (2) It shall consist of the two immediate past presidents of the association, the senior presiding, and three members elected from the floor at the annual meeting. The three elected members may not succeed themselves as members of this committee until an interval of five years shall have elapsed. **If there are not sufficient nominations from the floor at the annual meeting, the board of directors shall nominate members as needed.**

Faculty News

Mohamed Al-Ibrahim, M.D., chief of staff of the Baltimore VA Medical Center, has been appointed associate dean for Veterans Administration Affairs in the School of Medicine.

Barbara Bass, M.D., chief, surgical service, Baltimore VA Medical Center, has been selected as a member of the National Institutes of Health (NIH) Surgery and Bioengineering Study Section, Division of Research Grants.

Miriam Blitzer, Ph.D., director, biochemical genetics laboratory, division of human genetics, has been appointed chair of the information and education committee of the American Society of Human Genetics. This committee has recently introduced a standardized curriculum for genetics, which it hopes will be adopted by medical schools around the country.

Joseph Burnett, M.D., professor and acting chair, department of dermatology, was a visiting professor at the University of Kyushi in Japan.

During his stay he gave an address to the 291st Fukoka Dermatological Meeting and was also a guest lecturer at the 285th Sapporo Medical University Seminar held on the northern island of Hokkaido.

Maimon Cohen, Ph.D., director of the division of human genetics and president of the American Society of Human Genetics, delivered the presidential address, entitled "Who Are We? Where Are We Going? Anticipating the 21st Century," at the society's 44th annual meeting in Montreal. Dr. Cohen was also recently elected vice president for laboratory genetics of the American College of Medical Genetics. As such, he will have oversight of position papers and college statements regarding transition of genetic testing from an investigative status to introduction into clinical practice.

Mohyee Eldefrawi, Ph.D., professor, department of pharmacology and experimental therapeutics, has received the 1995 American Chemical Society International Research Award for Research in Agrochemicals for discovering

that neurotransmitter receptors are primary and secondary targets for insecticides and for developing biosensors as tools for rapid and sensitive detection of pesticides.

Barbara Hansen, Ph.D., professor, department of physiology and director of the obesity and diabetes research center, is president-elect of the American Society for Clinical Nutrition.

Denise Harmening, Ph.D., professor and chair, department of medical and research technology, has been appointed chair of the Board of Registry Research and Development Committee of the American Society of Clinical Pathologists.

Kenneth P. Johnson, M.D., professor and chair, department of neurology, delivered the Wander Lecture to the Swiss Multiple Sclerosis Society. He was also the keynote speaker at the 7th Congress of the Japanese Society of Neuroimmunology meetings in Tokyo, Japan.

W. Jonathan Lederer, M.D., Ph.D., professor, department of physiology, has been selected by the National Heart, Lung and Blood Institute to receive the Method to Extend Research in Time (MERIT)

Award, given to provide long-term, stable support to investigators whose research competence, productivity and scientific contributions are distinctly superior, and who are likely to continue to perform in an outstanding manner. Dr. Lederer received his award for his research on calcium sparks in heart muscle.

Kim Lewis, Ph.D., associate professor, department of medical and research technology, chaired a two-day conference on "Bacterial Drug Resistance" that included speakers from numerous other universities, the Centers for Disease Control, the Food and Drug Administration and the pharmaceutical industry.

Margaret M. McCarthy, Ph.D., assistant professor, department of physiology, was the 1994 recipient of the Frank A. Beach Award, presented annually to a young investigator in the field of neuroendocrinology.

Faculty News

Carole Meyers, M.D., director of the prenatal diagnostic center, department of obstetrics and gynecology, has been selected as editor of the newsletter of the American College of Medical Genetics.

Glenn Morris, M.D., chief, infectious diseases, Baltimore VA Medical Center, has been appointed director of the office of health affairs in the U.S. Department of Agriculture. During the year-long appointment, he will take responsibility for reinventing the process by which foods are delivered to the consumer safe for consumption.

Valerie Prenger, Ph.D., director, genetic epidemiology, division of human genetics, received an award from the Federal Bureau of Investigation (FBI) for her efforts as part of a team working on the DNA identification of the victims of the Branch Davidian fire in Waco, Texas.

Stephen C. Schimpff, M.D., executive vice president of the University of Maryland Medical System and professor of oncology, pharmacy and medicine in the School of Medicine, has been appointed to a second four-year term as a member of the National Board of Medical Examiners, representing the Association of American Medical Colleges.

Michael Selmanoff, Ph.D., professor of physiology, organized a session entitled "steroid actions on GABAergic neurons" for the 3rd Workshop on Steroid Hormones and Brain Function. The session dealt with genomic and non-genomic actions of sex steroid hormones on GABAergic neurons in the mammalian central nervous system.

The Medical and Chirurgical Faculty of Maryland House of Delegates passed a resolution honoring retiring Baltimore County health officer **Margaret Sherrard, M.D.**, a 1949 School of Medicine graduate. The resolution, introduced by the Baltimore

County Medical Society, recognized Dr. Sherrard's many contributions to the public and private sector health system.

Two members of the department of diagnostic radiology have been invited as oral board examiners for the American Board of Radiology exam in June. **Larry Holder, M.D.**, director of nuclear medicine, will be an examiner in the nuclear medicine section, and **Philip Templeton, M.D.**, chair of the department, will be an examiner in the chest section.

Two videos produced by the Emmy award-winning team of **Bill Whiteford and Susan Cohen** from the School of Medicine's Video Press—one on nursing home infection control and one on nursing home mental health—have been accepted for screening at the Media Production Festival of the National Council on Aging's 1995 annual conference.

The genetics team of the prenatal diagnostic center, department of obstetrics and gynecology, received the collaborative practice award during the 1994 University of Maryland Medical System division of women's and children's health recognition awards program. Team members include **Carole Meyers, M.D.**, **Jeffrey Dungan, M.D.**, and **Colleen Dougherty, Suzanne Reeser and Sandra Yang**, genetic counselors.

Honor Roll Addendum

In the 1993-94 Honor Roll of Donors, published in the winter issue of *The Bulletin* magazine, we neglected to acknowledge the gift of **Dr. S. Michael Plaut** in the faculty/staff section. *The Bulletin* apologizes for the omission and wishes to thank Dr. Plaut for his contribution to the School of Medicine through his gift to the Medical Alumni Association.

Alumni Events

Junior Class Enjoys Southwestern Night

The Medical School Teaching Facility Atrium was the venue for Southwestern Night on October 28, featuring Tex-Mex cuisine and line dancing for the School of Medicine community. The event, honoring the junior class, attracted more than 150 students, faculty and alumni. A special thanks to Roz Morgan's Country Western Dance Troupe for attending the gathering. The Student Advisory Council organized the evening.



Louis Foxwell was an active participant at Southwestern Night. The three year old is the son of Associate Dean Milford Foxwell, M.D. '80, and wife, Iris Shipley-Foxwell.



Jim Widmaier, '96, a student advisory committee member (center), enjoys the music, food and conversation with Rodi Sills and Michael Hallenbeck, '96, during Southwestern Night.



Felix Kaufman, M.D. '69, and wife, Sharon, center, are greeted at Southwestern Night by Roz Morgan, right. Morgan's Dance Troupe performers brought some flare to the dance floor.

Thanksgiving Day Feast Serves 650

The extended Thanksgiving holiday weekend is considered by most a time for rest and relaxation, but for a growing number of School of Medicine students it is a time to spend with those in need. This year marked the Fifth Annual Thanksgiving Day Feast at the Booker T. Washington Middle School on November 24, as students served more than 650 plates of food and filled six trucks with donated canned goods and clothing. Funding for the meal is provided by the Medical Alumni Association and is earned by students who work during the association's annual phonathon.

Association Sponsors Reps to AMA-MSS Meeting

Thanks, in part, to the Medical Alumni Association, representatives Jin Yung Hur, '96, and Jennifer Wallace, '97, traveled to Hawaii in December for the American Medical Association-Medical Student Section interim meeting. The assembly considered 40 items of business and presented a record 21 resolutions to the AMA House of Delegates. One resolution asks the AMA to increase the availability of comprehensive information, including market

Alumni Events

demand, on speciality choices to help medical students make informed speciality selections.

MAA Helps Fund Resident Lounge Renovation

Thanks to a gift from the Medical Alumni Association, renovation of the Medical System's sixth floor (west) resident lounge is well on its way to completion. The project includes rebuilding the kitchen, adding new ceiling tiles, carpeting, light fixtures, furniture, art work and exercise equipment. "The great new look for the resident lounge is just one example of the commitment that the faculty and hospital have made to improve the residents' experience while training at UMMS," says Katherine Pazdernik, director of the graduate medical services. MAA board member **Andrew Malinow, '81**, associate professor and director of the anesthesiology residency program, has been a strong supporter of the project. The MAA funding is being used to purchase furniture.

Sophomore Class Visits with Alumni, Faculty at Gudelsky



Sophomore students Hillary Liss, George Antonopoulos, Michelle Campisi, and Risa Weiner enjoyed the Gudelsky reception.

The School of Medicine sophomore class, alumni and faculty were special guests of the Medical Alumni Association at the Homer Gudelsky Building of the University of Maryland Medical System on January 17. More than 120 people attended a reception and an opportunity to take a guided tour of the recently completed twelve-story structure which offers the ultimate in patient care comfort. (For more information on the Gudelsky Building, please see the *Winter Bulletin*.)



Elissa Cooke, assistant director of special events for UMMS, left, walks Grace S. Pierpont, Ross Z. Pierpont, '40, Thomas Hunt, '54, and other alumni through a tour of the Gudelsky Building.

National
Aquarium
David
Hall
Orioles
Baseball
B&O Railroad
Museum
Pimlico
Horse Racing
Class Parties

120th Annual Medical Alumni Association Reunion Schedule

Thursday, May 4

- 10:00 a.m. Continental Breakfast & Registration, Davidge Hall
10:30 a.m. Campus Walking Tour
11:30 a.m. John Beale Davidge Alliance/1807 Circle Luncheon, The World Trade Center, Constellation Room
11:30 a.m. Gudelsky Tower Tour
2:15-3:30 p.m. "Preserving Assets Through Charitable Gift Planning," The World Trade Center, Maryland Room
1:30 p.m. Hyperbaric Chamber Tour, University of Maryland Cancer Center Tour
2:30 p.m. Biomedical Research Facility Tour, Maryland's Hospital for Children Tour
3:30 p.m. School of Medicine/Health Sciences Facility Tour, Gamma Knife Facility Tour
1:30-4:30 p.m. **Baltimore City Tour**
7-10:00 p.m. **National Aquarium Reception**, National Aquarium in Baltimore

Friday, May 5

- 8:30 a.m. Continental Breakfast & Registration, Davidge Hall
9-10:30 a.m. R Adams Cowley Shock Trauma Center Tour
10:00 a.m. Veterans Affairs Medical Center Tour
11:00 a.m. School of Medicine Update, Dean Donald Wilson, Davidge Hall
11-5:30 p.m. **Pimlico Race Track**
11-2:00 p.m. Complimentary Luncheon, Davidge Hall
12-3:00 p.m. 1995 Scientific Update Program (**3 CME Credits**), Davidge Hall
3-4:30 p.m. 25-Year Certificate Presentation/Reception, Davidge Hall
Evening **Class Parties** for years ending in "0" and "5"

Saturday, May 6

- 8:30 a.m. Continental Breakfast & Registration, Davidge Hall
10:00 a.m. Annual Business Meeting, Davidge Hall
10:00-4:00 p.m. **Annapolis Trip**
6-7:00 p.m. Dean's Reception for the Class of 1945, B&O Railroad Museum
7-12:00 a.m. **120th Medical Alumni Association Gala**, B&O Railroad Museum

Sunday, May 7

- 1:35 p.m. **Baltimore Orioles Baseball Game**

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A Perfect Match

The Medical Alumni Association hosted its first annual Match Day luncheon on March 15. Celebrating the news of their futures at Baltimore's exclusive Camden Club were more than 250 students and guests. A review of this year's matches will appear in the Summer issue of *The Bulletin*.

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